STEINEL® German Quality PROFESSIONAL

D

Intelligent Lighting for Professionals.

STYLE

SensorLights for Indoors

SensorLights for Outdoors

Sensor-Switched Floodlights

Contents

SensorLights for Indoors

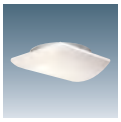
High-Frequency SensorLights for wall or ceiling mounting

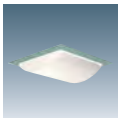
Pages 12 – 21

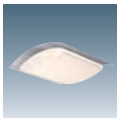
RS 104 L

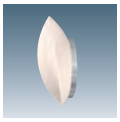
RS 105 L

RS 106 L


RS 107 L


RS 108 L


RS 109 L


RS 110 L

RS 10-5 L

RS 10-6 L stainl. steel

RS 10-11 L stainl. steel

RS 10 L

RS 14 L impact-resistant

RS 10-4 L

RS 15 L *Economy*

High-Frequency SensorLights T5/TC-L for Bathrooms, Corridors and Kitchens

Pages 22 – 25

BRS 81 L

BRS 82 L

BRS 83 L impact-resistant

BRS 86 L

BRS 87 L

BRS 80 P

BRS 83 P impact-resistant

BRS 85 P

High-Frequency SensorLights for Bathrooms and Corridors

Page 26 – 27

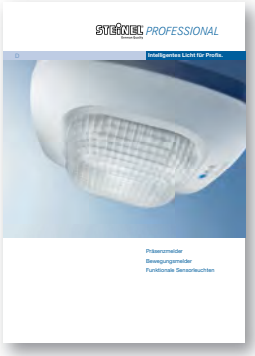
BRS 62 L

BRS 63 L

BRS 67 L

BRS 68 L

BRS 70 L impact-resistant



You will find motion detectors, occupancy detectors and practical SensorLights in our "Professional" catalogue.

SensorLights for Outdoors

SensorLights

Page 32 – 51

L 360 plan

L 361 plan

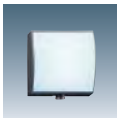
L 266 cube

L 274 BLOC

L 890 pure

L 875 S

L 320 wave


L 321 wave

L 400 S

L 410 S

L 430 S

L 870 S impact-resistant

XLED

Sensor-switched LED Floodlights

Page 52 – 57

XLed 25

XLed 10

XLed-SL 25

XLed-SL 10

Sensor-switched Halogen Floodlights

Page 58 – 60, 62 – 63

HS 502

HS 152 XENO

HS 2160 Economy

Halogen Floodlight for Interconnecting

Page 61, 63

HS-S 150 W Slave

Perfect Light – Maximum Energy Efficiency

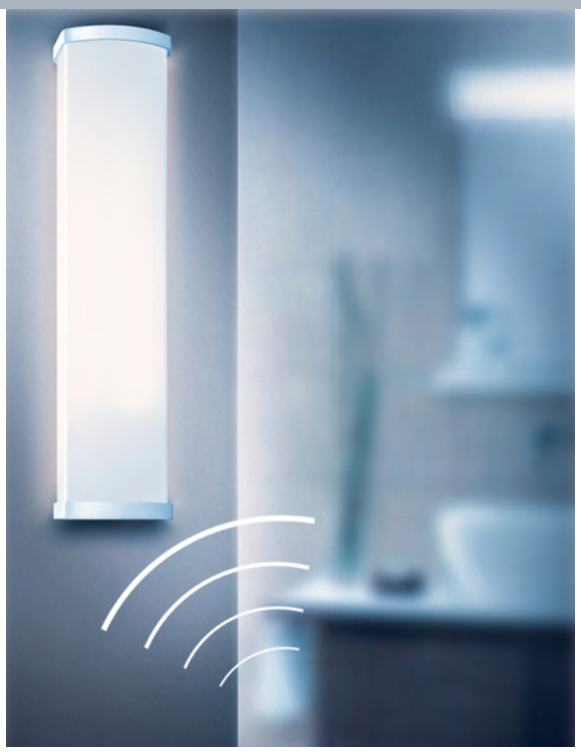
Energie clever nutzen

STEINEL®

Intelligent Energy Saving

STEINEL makes all the difference

Sensor technology is the key to maximum energy efficiency in lighting applications. Light only when it's needed. STEINEL developed the technology and has resolutely taken it forward. Right through to optimising fluorescent tubes: A special drive system ensures that tube life is not impaired by frequently switching it 'ON' and 'OFF'. In this catalogue you will also find the next lighting generation – a designer-look sensor-switched floodlight benefiting from LED technology that's extremely low on energy. Using energy the clever way – STEINEL has what it takes.



Innovation is our strength, quality our ambition, design and functional practicality our passion.

Light is part of life that's needed all the time and everywhere. So, selecting lighting carefully is good advice. Aesthetic aspects play just as much a part here as long life, practicality and energy efficiency do.

If you attach importance to these qualities, this is where to look. Whether for outdoors or indoors, in the home, commercial premises or public buildings: This catalogue shows state-of the-art SensorLights for contemporary illumination and style.

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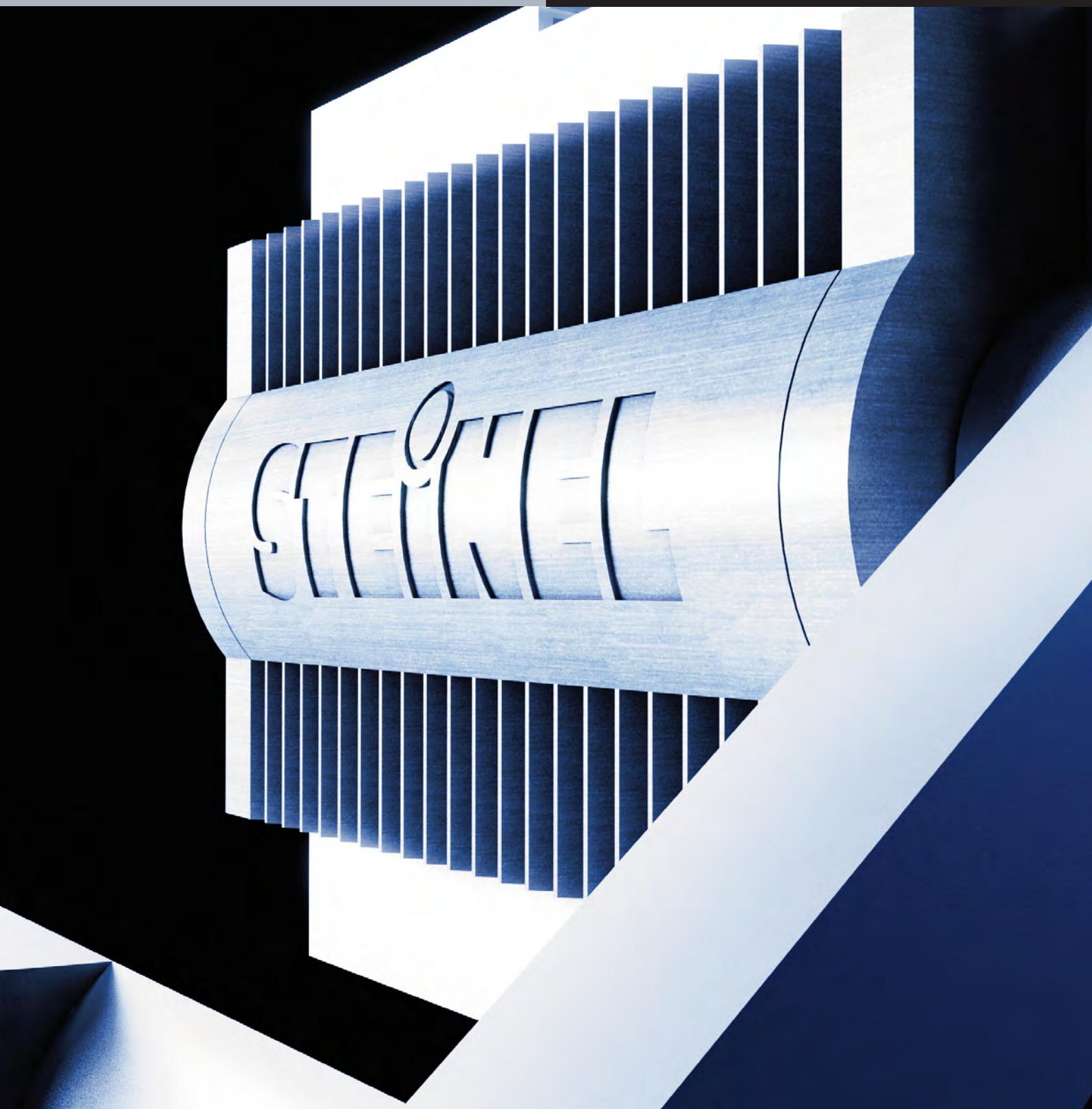
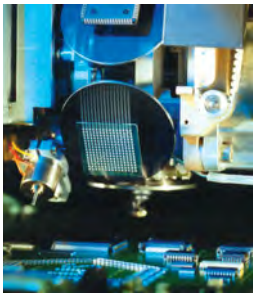
Success Through Innovation



Steinel. The original.

STEINEL launched the world's first SensorLight in 1987. This heralded in a new era of convenience, safety, security and energy efficiency. And when it comes to intelligent lighting control, STEINEL continues to set the standard. Because we have something no one else has: 20 years of experience, two decades of innovation and precision.

Treat yourself and your customers to the original. Whether award-winning innovative LED floodlights or attractive SensorLights for indoors and outdoors. STEINEL has what discerning users need – developed with the expertise of the inventor and produced with the commitment to quality of an internationally established brand-name manufacturer.



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SensorLights for Indoors

Light that thinks for itself

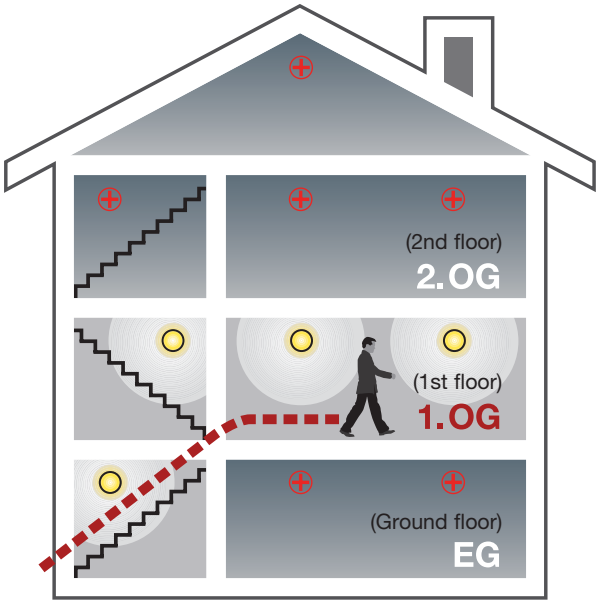
The indoor light series from STEINEL combines state-of-the-art sensor technology with sleek design. Cutting-edge high-frequency sensors (HF) invisibly concealed inside these lights instantly respond to the tiniest movement regardless of temperature and automatically switch 'ON' light.

STEINEL HF-SensorLights are designed specifically for indoor spaces, such as stairwells, corridors or bathrooms. The innovative lights come as wall and ceiling lights. HF-SensorLights provide efficient, money-saving light management as well as added convenience and safety in the home, commercial premises, administration centres and other buildings.

Another reason to make investors and homeowners decide in favour of STEINEL HF-SensorLights: the intelligent light is just as easy and quick to install as conventional lamps - and there's no need for separate switches or motion detectors.

All benefits at a glance:

- Safety, convenience and energy saving because light comes 'ON' automatically
- Extremely rapid response time
- Reliable, all-round detection regardless of ambient temperature and direction of movement
- Reach, twilight threshold and light 'ON' duration can be set to suit individual needs
- Rapid installation:
  Sensor and light = 1 connection



One example illustrates the efficiency of HF-SensorLights: When you enter the stairwell of a multi-storey building, for example, the sensors integrated in the lights only switch the light 'ON' when it's really needed – and 'OFF' again after the time you set. Floors that are not used stay unlit.

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Light 'ON' and 'OFF' ...automatically

High-frequency sensors respond faster

Wherever there are people, there is movement. This fact makes motion sensors the ideal cornerstone for intelligent lighting. STEINEL high-frequency (HF) sensors identify movement instantly without any restriction to "sensitivity" through ambient temperature and direction in which the object being detected moves.

High-frequency sensors actively scan the detection zone. To do this, they emit signals and receive the echo reflected off walls and surrounding objects a moment later. Any movement is immediately detected and the light is switched 'ON'. And there's no more forgetting to switch the light 'OFF'; it does that all by itself.
Saving energy.

STEINEL high-frequency sensors operate at 5.8 GHz. As glass and thin walls do not get in the way of these signals, the sensors can be fitted inside the light, making them invisible from the outside. This way, nothing detracts from the design of STEINEL SensorLights.

These qualities make the STEINEL HF-sensor the perfect solution for automatic indoor lighting.
An innovation from STEINEL – the original.

Reach setting

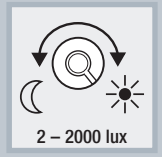
STEINEL HF-SensorLights can detect movements across a diameter of 1 to 8 m.You can infinitely vary the reach you require using the system's electronics.

Time setting

STEINEL HF-SensorLights are equipped with a timer that makes sure the light stays switched 'ON' for a selectable period of time even after a temporary movement in the detection zone. You can infinitely vary how long you want the light to stay 'ON' for.

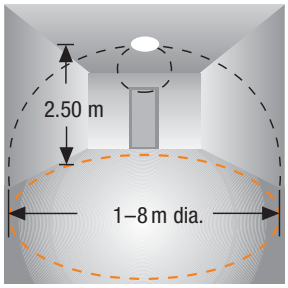
Twilight setting

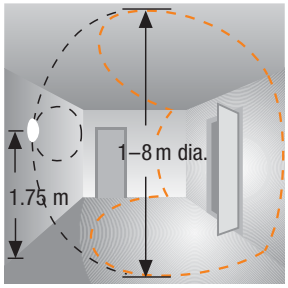
Setting the response threshold to between 2 and 2000 lux, you can determine the level of ambient brightness at which you want the SensorLight to come 'ON'. While it's still light, at dusk or when it gets dark.



Convenience, safety, lower costs

Employing state-of-the-art high-frequency sensors to control interior lights as and when they're needed, STEINEL has heralded in a new era of lighting automation. STEINEL HF-SensorLights are specifically designed for indoors and can be mounted to walls and ceilings.

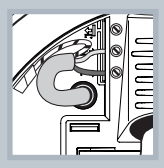




The 360° detection zone with an aperture angle of 160° and reach of up to 8 m reliably watches over rooms as large as 50 m².

Straightforward installation

STEINEL HF-SensorLights are just as easy to install as conventional light fittings: Fix light to wall or ceiling and connect phase and neutral conductor to the screw terminals – that's all there is to it. It's just that now, with integrated sensor system, there's no need to do any switching by hand.



Connecting other loads

The HF-SensorLights are provided with a separate terminal that can be used for connecting other devices. On entering a guest WC, an addition light or extractor fan can, for example, be switched 'ON' in addition to the main light.

STEINEL® PROFESSIONAL German Quality

RS 104 L

RS 105 L

RS 104 L
RS 105 L
RS 106 L

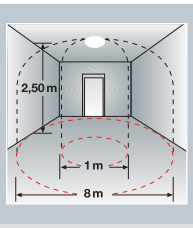
Slim-line elegance for ceilings and walls

Form follows function – or function determines design. Particularly in spaces such as stairwells or corridors, lights often need to provide efficient illumination over as large an area as possible and yet take up very little space at the same time, i.e. hug the surface they are fitted to.

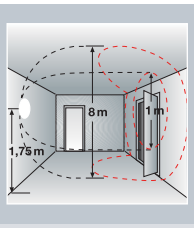
The RS 104/105/106 L-Series from STEINEL uses G9 halogen lamps that not only require less space than conventional light bulbs but also deliver a pleasant light. This way, it has been possible to keep the design of these elegant lights extremely slim. The state-of-the-art HF-sensor system is invisibly concealed inside the light.

Detection zone

360° angle of coverage. Reach can be infinitely varied from 1 to 8 m all round.



Detection zones for ceiling mounting.



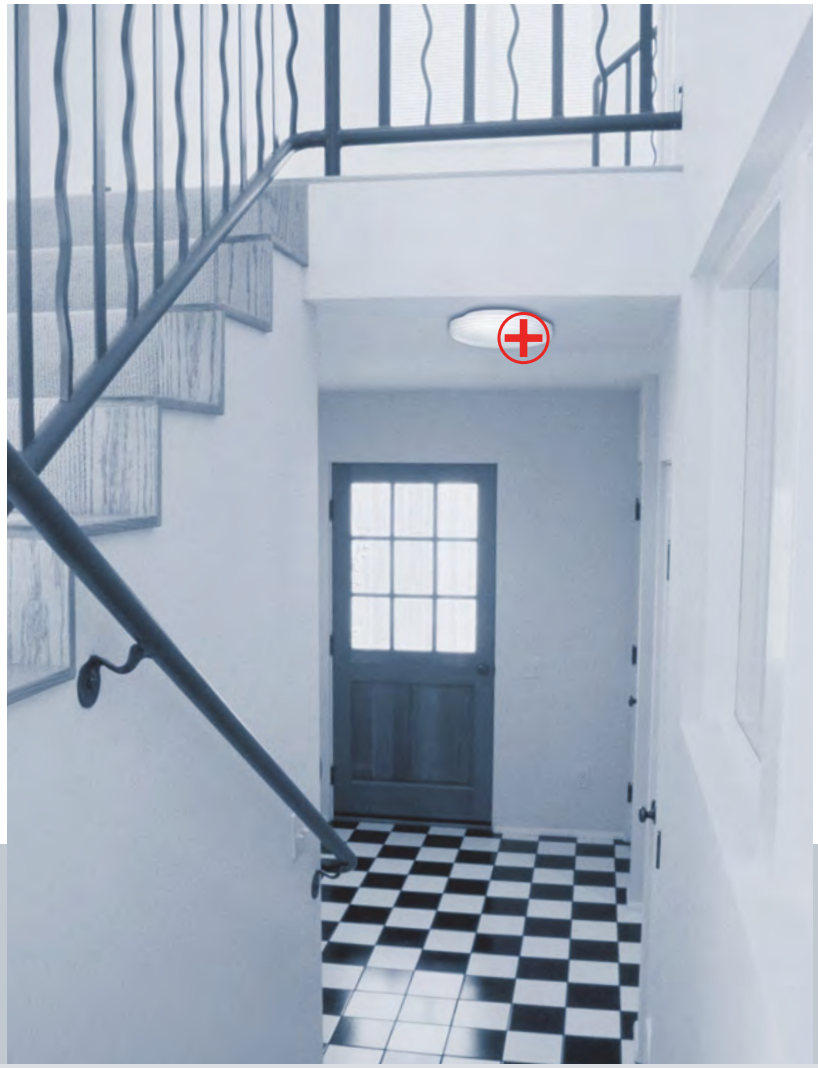
Detection zones for wall mounting.

Setting capabilities

Light can be adjusted to stay 'ON' for any time between 5 seconds and 15 minutes.

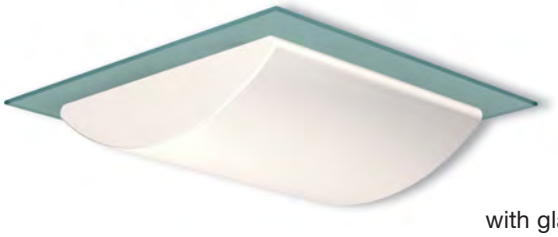
Response threshold can be set from 2 to 2000 lux to suit individual needs.

RS 106 L



RS 107 L
RS 108 L
RS 109 L

RS 107 L



with glass trim

with "floating" metal trim

Hi-tech internal components surrounded by stylish glass shades

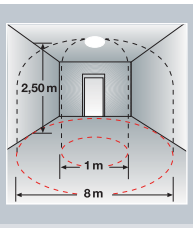
Adding a mark of distinction to stairwells and corridors, the new glass shades and trims also come together to produce units of outstanding aesthetic appeal. The exquisite surfaces of the hand-blown glass shades conceal cutting-edge HF-sensor technology that controls the light exactly as required.

All benefits at a glance:

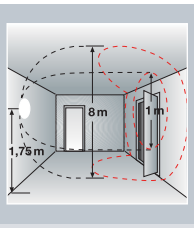
- Safety, convenience and energy saving; because light comes 'ON' automatically
- Extremely short response time
- Reliable all-round detection regardless of ambient temperature and direction of movement
- Reach, twilight threshold and light 'ON' duration can be set to suit individual needs
- Fast installation: Sensor and light = 1 connection

Detection zone

360° angle of coverage. Reach can be infinitely varied from 1 to 8 m all round.



Detection zones for ceiling mounting.



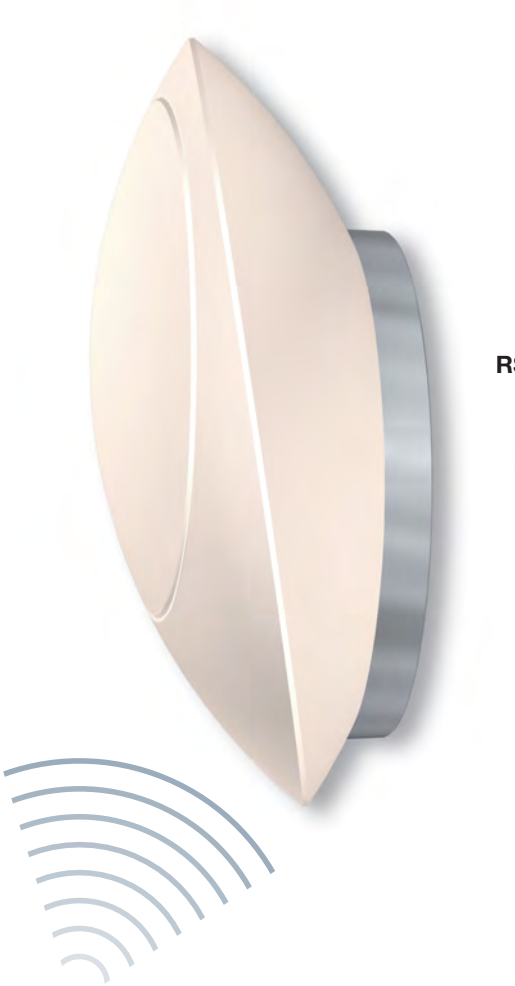
Detection zones for wall mounting.

Setting capabilities

Light can be adjusted to stay 'ON' for any time between 5 seconds and 15 minutes.

Response threshold can be set from 2 to 2000 lux to suit individual needs.

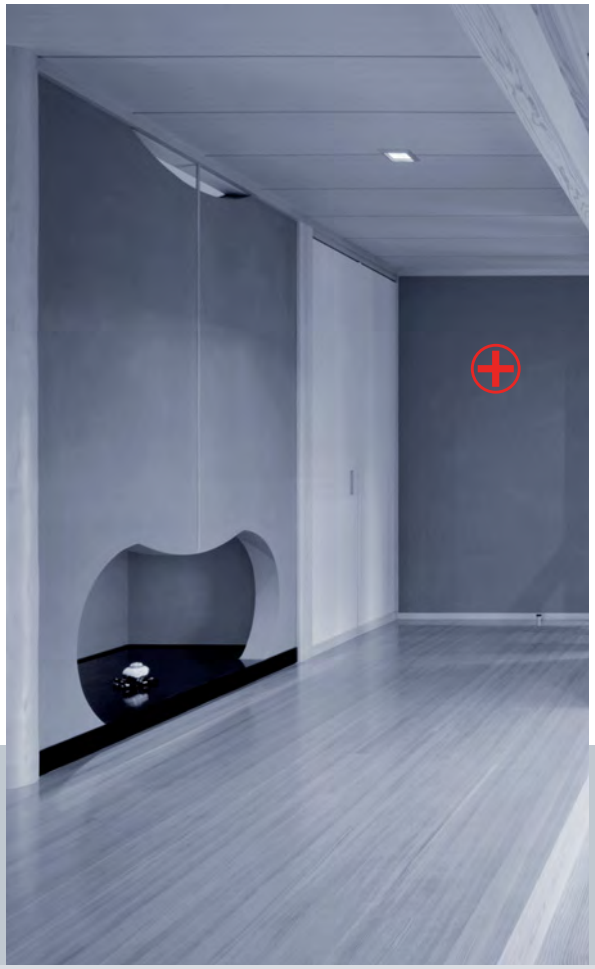
RS 110 L



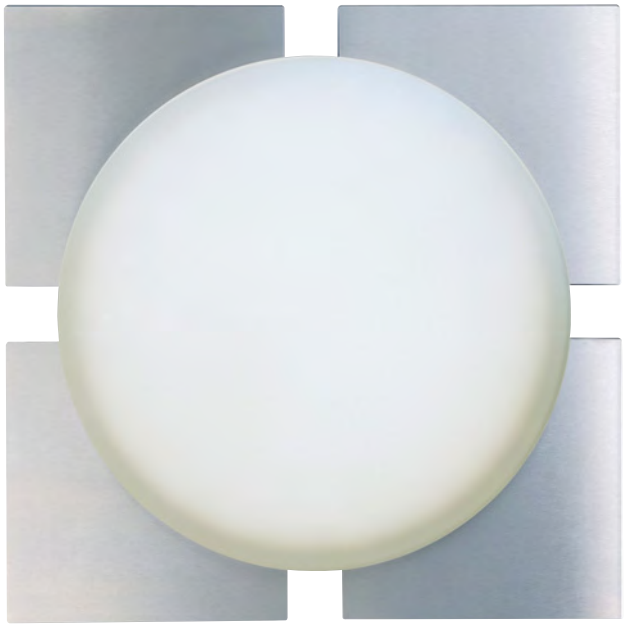
RS 110 L

RS 110 L – a classic light design re-interpreted

Modern, but not trendy. This is how to describe the linear offset circular form for a new aesthetic look in wall lighting. Details may have changed, its superb finish hasn't.



RS 10-6 L



Brilliant performance in stainless steel and glass

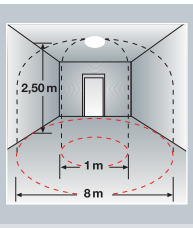
Modern, prestigious architecture primarily uses two materials on building exteriors: stainless steel and glass. They stand for solidity, but also for transparency and creative versatility. In modern light design, stainless steel has become indispensable as a material too.

Stainless steel also frames these exquisite SensorLights. There are three attractive stainless-steel trim panels to choose from. All lights feature elegantly curved shades, hand-blown from Triopal glass.

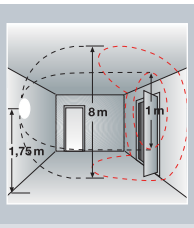
Detection zone

Setting capabilities

360° angle of coverage. Reach can be infinitely varied from 1 to 8 m all round.



Detection zones for ceiling mounting.

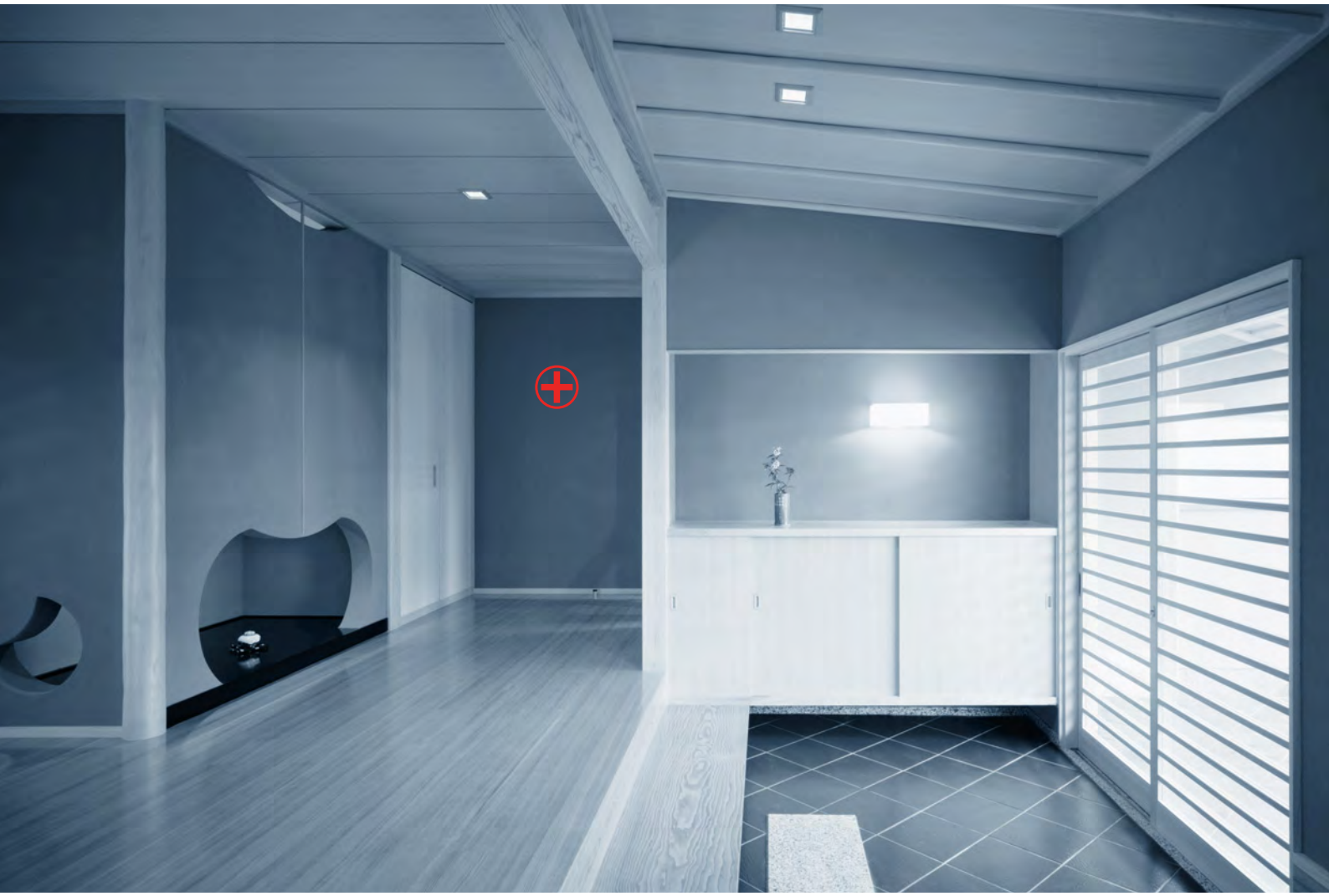


Detection zones for wall mounting.

Light can be adjusted to stay 'ON' for any time between 5 seconds and 15 minutes.

Response threshold can be set from 2 to 2000 lux to suit individual needs.

RS 10-11 L



RS 10-4 L stainless steel effect

RS 10 L / RS 10-4 L / RS 10-5 L / RS 14 L / RS 15 L

Timelessly elegant

The **RS 10-4 L** light is of practical, clear-cut design. The hand-blown glass shade is set in a plastic surround available in white or stainless-steel lacquer finish.

white | stainless steel effect

Glass on glass

The **RS 10-5 L** is a real stunner. The clean lines of its square shade in satinised glass are sure to turn heads in any room.

Robustly practical

The **RS 14 L** light is designed for use in rugged environments. Its impact-resistant plastic cover protects it from deliberate or inadvertent damage. This light is available as **RS 10 L** with hand-blown Triopal glass shade.

RS 15 L *Economy*

The attractively priced Economy model offers particularly good value with all the benefits of cutting-edge sensor technology from STEINEL.

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RS 104 L / RS 105 L / RS 106 L

Slim-line SensorLights for walls and ceilings

- Slim-line design
- for G9 halogen bulb
- Matt-finish opal glass shade

RS 104 L

RS 105 L

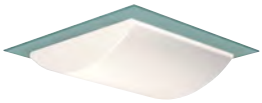
RS 106 L

RS 107 L / RS 108 L / RS 109 L / RS 110 L

Exquisitely designed SensorLights for walls and ceilings

- Aesthetically pleasing glass shade and trim options
- for G9 halogen bulb
- Matt-finish opal glass shade

RS 107 L



RS 108 L

RS 109 L

RS 110 L

	RS 104 L – RS 110 L	RS 10 L / RS 14 L / RS 15 L	RS 10-4/10-5/10-6/10-11 L
	RS 104 L 732219 **RS 105 L 732318** **RS 106 L 732417** **RS 107 L 733216** **RS 108 L 733315** **RS 109 L 733414** **RS 110 L 733711**	**RS 10 L 730512** **RS 14 L impact-resist. 731113** **RS 15 L 731212**	**RS 10-4 L 731519 (white)** **735814 (stainl. steel)** **RS 10-5 L 731618** **RS 10-6 L 731717** **RS 10-11 L 736316**
EAN 4007841...			
Dimensions	RS 104 L 320 dia. x 85 mm RS 105 L 320 dia. x 95 mm RS 106 L 320 dia. x 95 mm RS 107 L 270 x 270 x 100 mm RS 108/109 L 340 x 340 x 100 mm RS 110 L 305 x 312 x 132 mm	RS 10 L 280 dia. x 110 mm RS 14 L 280 dia. x 110 mm RS 15 L 280 dia. x 110 mm	RS 10-4 L 310 dia. x 110 mm RS 10-5 L 340 x 340 x 110 mm RS 10-6 L 340 x 340 x 110 mm RS 10-11 L 390 dia. x 110 mm
Voltage	230 – 240 V/50 Hz	230 – 240 V/50 Hz	230 – 240 V/50 Hz
Output	2 x 40 W max. / G9	75 W max. / E 27 (RS 10 L) 60 W max. / E 27 (RS 15/14 L)	75 W max. / E 27
HF-system	5.8 GHz (responds to the tiniest movement regardless of temperature)	5.8 GHz (responds to the tiniest movement regardless of temperature)	5.8 GHz (responds to the tiniest movement regardless of temperature)
Detection angle	360° with 160° aperture angle also through glass, wood and stud walls	360° with 160° aperture angle also through glass, wood and stud walls	360° with 160° aperture angle also through glass, wood and stud walls
Transmitter power	approx. 1 mW	approx. 1 mW	approx. 1 mW
Reach	1 – 8 m dia., infinitely variable	1 – 8 m dia., infinitely variable 3 – 8 m dia. (RS 15 L)	1 – 8 m dia., infinitely variable
Max. area covered	approx. 50 m^2	approx. 50 m^2	approx. 50 m^2
Time setting	5 sec. – 15 min.	5 sec. – 15 min.	5 sec. – 15 min.
Twilight setting	2 – 2000 lux	2 – 2000 lux	2 – 2000 lux
Enclosure	IP 44	IP 44	IP 44
Temperature range	– 20 °C to 40 °C	– 20 °C to 40 °C	– 20 °C to 40 °C
Protection class	II	II	II
Special features	other loads can be connected (800 VA max., e.g. bathroom/WC extractor fan or additional light)	other loads can be connected (800 VA max., e.g. bathroom/WC extractor fan or additional light) RS 15 L, 100 VA max.	other loads can be connected (800 VA max., e.g. bathroom/WC extractor fan or additional light)

RS 10 L / RS 14 L / RS 15 L

SensorLights for walls and ceilings

- RS 10 L matt-finish opal glass shade
- RS 14 L in impact-resistant plastic
- RS 15 L ***Economy***

RS 10 L

impact-resistant

RS 15 L

RS 10-4 L / RS 10-5 L / RS 10-6 L / RS 10-11 L

Wall and ceiling SensorLights with designer surround

- Surrounds in timelessly elegant design
- Matt-finish opal glass shade

RS 10-4 L white

RS 10-4 L
stainless steel effect

RS 10-5 L

RS 10-6 L

RS 10-11 L

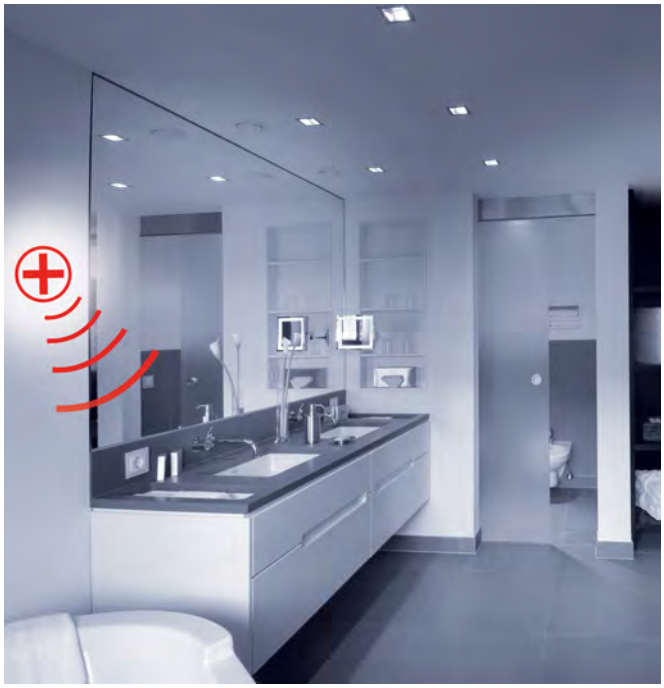
FUNCTIONAL
36 month
WARRANTY

STEINEL
German
Quality

GENUINE
hand blown
CRYSTAL GLASS

STEINEL® PROFESSIONAL
German Quality

BRS T5/TC-L

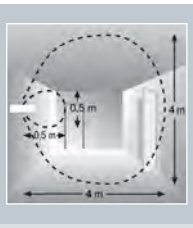


Designer-style light that responds either to occupancy or hand movement

The new STEINEL SensorLights for bathrooms, stairwells, hallways and kitchens not only look stunning but shine with innovative components inside. For instance, the light can either be controlled automatically by the integrated HF-sensor or manually using the no-contact close-range sensor. The latter option makes particular sense where no-contact switches are required for reasons of hygiene but where motion sensors would switch the light 'ON' when it's not necessary. This makes these bathroom and mirror light ideal for hotels, hospitals and residences for senior citizens.
The 24 W fluorescent tube (TC-L or T5) is driven by STEINEL's newly developed chip-controlled electronic ballast that ensures unlimited tube life and rapid starting performance.

Detection zone

360° angle of coverage. Reach can be infinitely varied from 0.5 to 4 m .



Detection zones for wall mounting.

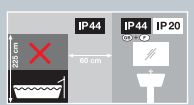
Setting capabilities

2 – 2000 Lux

Response threshold can be set from 2 to 2000 lux to suit individual needs.

1 min. – 15 min.

Light can be adjusted to stay 'ON' for any time between 1 minute and 15 minutes.



The SensorLights from the BRS range come with an IP 44 rating making them suitable for use in rooms exposed to moisture.

BRS 81 L opal glass shade / chrome cap 660 x 103 mm

BRS 86 L opal glass shade / chrome cap 425 x 103 mm

BRS 82 L opal glass shade / matt chrome cap 660 x 103 mm

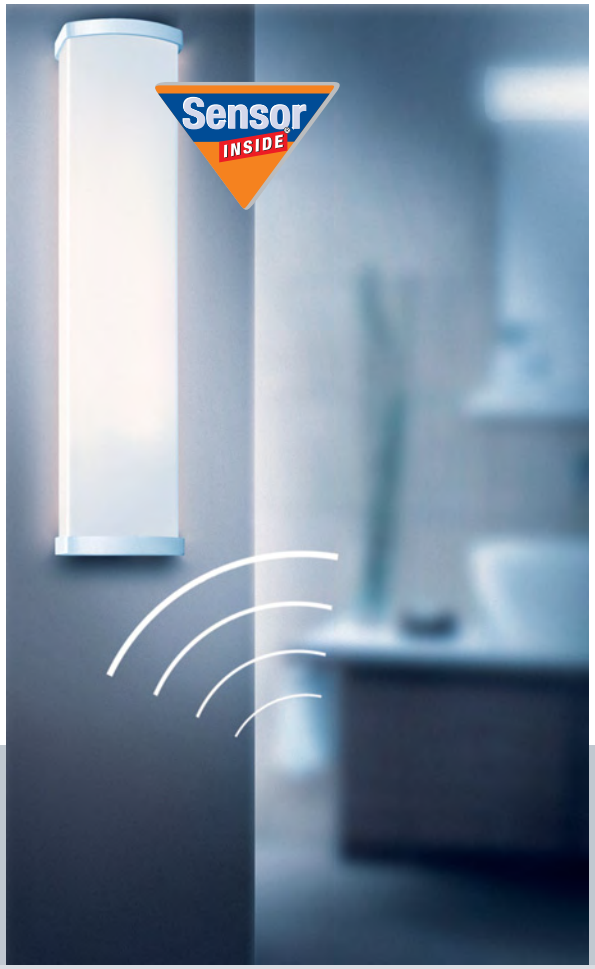
BRS 87 L opal glass shade / matt chrome cap 425 x 103 mm

BRS 83 L impact-resistant plastic / white cap 660 x 103 mm

All benefits at a glance:

- Safety, convenience and energy saving because light comes 'ON' automatically
- Maximum hygiene also when operated manually by close-range sensor for contactless switching
- Chip-controlled electronic ballast maximises the life of the low-energy tube
- Extremely short response time
- Reliable all-round detection regardless of ambient temperature and direction of movement
- Reach, twilight threshold and light 'ON' duration can be set to suit individual needs

Whether horizontal or vertical, whether as mirror or wall light: The BRS range combines elegance with maximum lighting efficiency.



Switches 'ON' without touching

The SensorLights can also be switched 'ON' and 'OFF' manually using the no-contact close-range sensor

STEINEL® PROFESSIONAL German Quality

BRS T5/TC-L

All-inclusive mirror light for hotels, hospitals and residences for senior citizens

Wherever just as much importance is attached to hygiene and convenience as it is to design and energy efficiency, this mirror and wall light with motion and close-range sensor is the ideal choice. It comes in two different lengths with either opal glass or impact-resistant plastic shade. This elegant light is also available with integrated power socket.

BRS T5/TC-L

SensorLights for bathrooms, stairwells, halls, kitchens

- For 24 W fluorescent tubes
- With no-contact switch

BRS 81 L opal glass shade / chrome cap 665 x 104 mm

BRS 82 L opal glass shade / matt chrome cap 665 x 104 mm

BRS 83 L impact-resistant plastic / white cap 665 x 104 mm

BRS 86 L opal glass shade / chrome cap 430 x 104 mm

BRS 87 L opal glass shade / matt chrome cap 430 x 104 mm

BRS T5/TC-L with power socket

SensorLights for bathrooms, stairwells, halls, kitchens

- For 24 W fluorescent tubes
- With no-contact switch

BRS 80 P white glass / white cap 710 x 104 mm

BRS 83 P impact-resistant plastic / white cap 710 x 104 mm

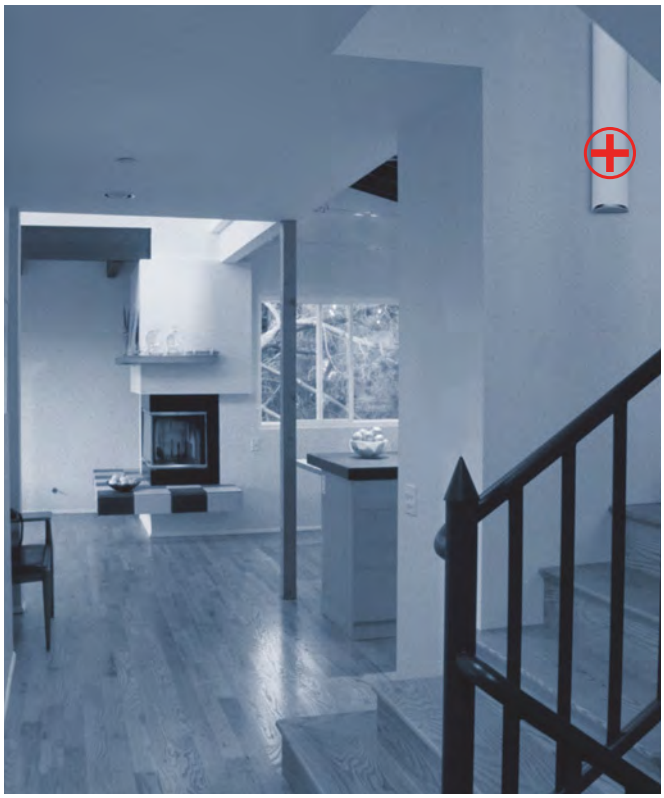
BRS 85 P white glass / white cap 480 x 104 mm

	BRS	BRS P
	BRS 81 L 741310 **BRS 82 L 741419** **BRS 83 L 741914 imp.-resist.** **BRS 86 L 741617** **BRS 87 L 741716**	**BRS 80 P EURO 744809k** **BRS 80 P GB 744823** **BRS 80 P CH 744816** **BRS 83 P EURO 744908** **BRS 83 P GB 744922** **BRS 83 P CH 744915** **BRS 85 P EURO 745004** **BRS 85 P GB 745028** **BRS 85 P CH 745011**
EAN 4007841...		
Dimensions	BRS 81 – 83 L 665 x 104 x 77 mm BRS 86 – 87 L 430 x 104 x 77 mm	BRS 80 P, 83 P 710 x 104 x 77 mm BRS 85 P 480 x 104 x 77 mm
Voltage	230-240 V/50 Hz	230-240 V/50 Hz
Output	BRS 81 – 83 L T5 24 W BRS 86 – 87 L TC–L 24 W (1 chip-controlled electronic ballast)	BRS 80 P, 83 P T5 24 W BRS 85 P TC–L 24 W (1 chip-controlled electronic ballast)
HF-System	5.80 GHz (responds to the tiniest movement regardless of temperature)	5.80 GHz (responds to the tiniest movement regardless of temperature)
Detection angle	360° with 160° aperture angle; also through glass, wood and stud walls	360° with 160° aperture angle; also through glass, wood and stud walls
Transmitter power	approx. 1 mW	approx. 1 mW
Reach	0,5 – 4 m, infinitely adjustable / close-up range approx. 5 cm	0,5 – 4 m, infinitely adjustable / close-up range approx. 5 cm
Time setting	1 min. – 15 min.	1 min. – 15 min.
Twilight setting	2 – 2000 lux	2 – 2000 lux
Enclosure	IP 44	IP 44
Temperature range	10° C to 50° C	10° C to 50° C
Protection class	I	I
Special features	– 2 lights can be synchronised – Other loads can be connected (200 W max.). – Close-range switch for contactless switching	– 2 lights can be synchronised – Other loads can be connected (200 W max.). – Close-range switch for contactless switching

FUNCTIONAL 36 month WARRANTY

STEINEL German Quality

BRS Halogen



The classy wall and mirror lights – ideal for bathrooms and corridors

The BRS SensorLights are a highlight in contemporary bathrooms as well as on corridors, on stairs or in hallways. Their clarity of design and first-class materials are nothing short of breathtaking.

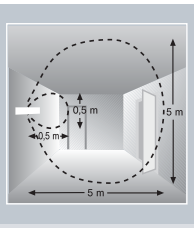
The BRS lights come with the convenience of innovative HF-technology that's completely invisible from the outside and responds to any movement in a 360° radius with hardly any delay. They are fitted with G9 halogen bulbs and give a pleasant, warm light.

Different design and material options provide the right hi-tech light solution for every taste and lighting situation.

Detection zone

Setting capabilities

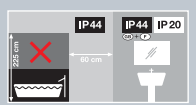
360° angle of coverage. Reach can be infinitely varied from 0.5 to 5 m.



Detection zones for wall mounting.

Response threshold can be set from 2 to 2000 lux to suit individual needs.

Light can be adjusted to stay 'ON' for any time between 5 seconds and 15 minutes.



The SensorLights from the BRS range come with an IP 44 rating making them suitable for use in rooms exposed to moisture.

BRS Halogen

SensorLights for bathrooms, corridors, stairwells, halls

- Elegant design
- for G9 halogen bulb
- Matt-finish opal glass shade, BRS 70, in impact-resistant plastic

BRS 62 L opal glass shade / stainless steel cap

BRS 67 L opal glass shade / stainless steel cap

BRS 63 L opal glass shade / satinised glass trim

BRS 68 L opal glass shade / satinised glass trim

BRS 70 L impact-resistant plastic / white cap

	BRS 62 L / BRS 63 L	BRS 67 L / BRS 68 L	BRS 70 L
EAN 4007841...	**BRS 62 L 740313** **BRS 63 L 740412**	**BRS 67 L 740818** **BRS 68 L 740917**	**BRS 70 L 741112 (imp.-resist.)**
Dimensions	BRS 62 L 500 x 90 x 60 mm BRS 63 L 550 x 136 x 60 mm	BRS 67 L 350 x 90 x 60 mm BRS 68 L 390 x 126 x 60 mm	BRS 70 L 500 x 99 x 93 mm
Voltage	230-240 V/50 Hz	230-240 V/50 Hz	230-240 V/50 Hz
Output	3 x 40 W / G9	2 x 40 W / G9	3 x 40 W / G9
HF-system	5.80 GHz (responds to the tiniest movement regardless of temperature)	5.80 GHz (responds to the tiniest movement regardless of temperature)	5.80 GHz (responds to the tiniest movement regardless of temperature)
Detection angle	360° with 160° aperture angle; also through glass, wood and stud walls	360° with 160° aperture angle; also through glass, wood and stud walls	360° with 160° aperture angle; also through glass, wood and stud walls
Transmitter power	approx. 1 mW	approx. 1 mW	approx. 1 mW
Reach	0.5 – 5 m, infinitely variable	0.5 – 5 m, infinitely variable	0.5 – 5 m, infinitely variable
Time setting	5 sec. – 15 min.	5 sec. – 15 min.	5 sec. – 15 min.
Twilight setting	2 – 2000 lux	2 – 2000 lux	2 – 2000 lux
Enclosure	IP 44	IP 44	IP 44
Temperature range	– 20 °C to 40 °C	– 20 °C to 40 °C	– 20 °C to 40 °C
Protection class	I	I	I
Special features	2 lights can be synchronised	2 lights can be synchronised	2 lights can be synchronised IK class 10 impact-resistant

FUNCTIONAL 36 month WARRANTY · STEINEL German Quality · CE · IK 10 · VDE · GS · GENUINE hand blown CRYSTAL GLASS · F

SensorLights for Outdoors

Energy efficiency can look as good as this

These days, outdoor lights with integrated sensor technology are part and parcel of contemporary lighting planning. These intelligent lights combine the greatest possible energy savings with maximum convenience and enhanced security throughout the building.

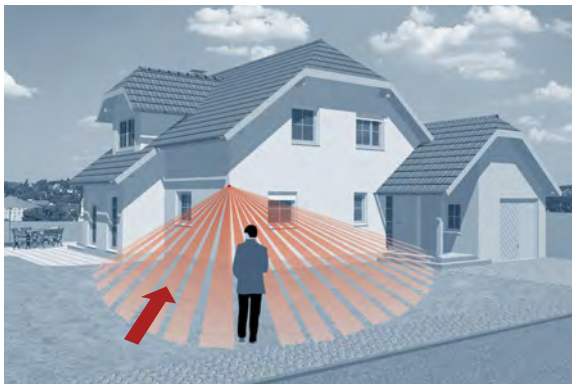
SensorLights from STEINEL are just as quick to install as conventional lights and are available in many attractive designs and configurations. This is where STEINEL innovations, like the mini-sensor, permit design solutions with perfectly integrated IR-System, improved detection properties and optimum user convenience.

All benefits at a glance:

- Safety, convenience and energy saving because light comes 'ON' automatically
- STEINEL multi-lens technology for all-round detection without blind spots
- Brightness control for permanent light 'ON' in energy-saving dimmed mode
- High number of switching zones for reliable coverage
- Light threshold and 'ON' time adjustable to suit needs
- Fast installation
- Attractive design
- Suitable for low-energy bulbs

Detection zones for infrared sensors

Tangential coverage – movement across the sensor detection zone (nominal reach)



Radial detection – movement directly towards sensor (detection reach less than normal reach)

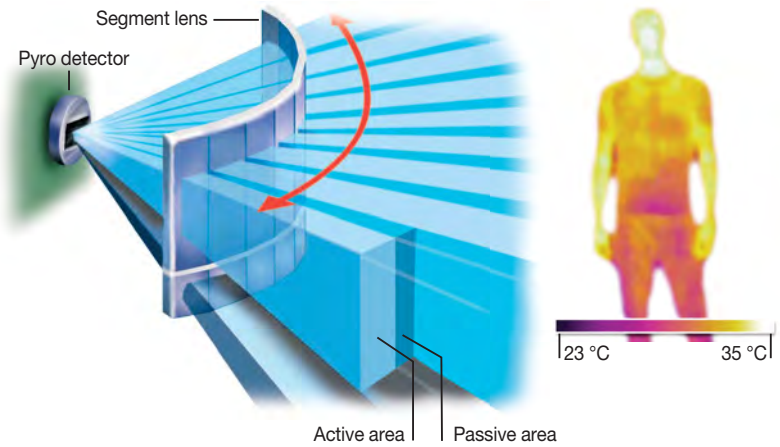
STEINEL® German Quality PROFESSIONAL

Light 'ON' and 'OFF' ...automatically

How does an infrared motion detector work?

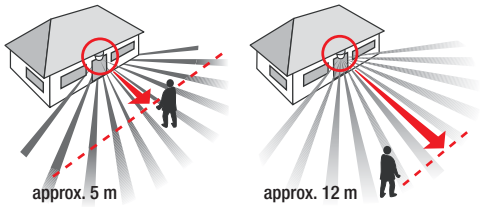
Any object with a temperature that lies above absolute zero (-273° C) gives off electromagnetic radiation. Given the temperature range of the human body, this radiation lies in the infrared portion of the spectrum.

Passive infrared (PIR) motion detectors use this fact. These units are equipped with highly sensitive infrared detectors that respond to the slightest fluctuation in the heat they detect by changing their voltage output. The area covered is divided up into active and passive zones by segment lenses. The sensor perceives any movement by a person or warm object across a zone boundary as a fluctuation in heat radiation and emits a signal. This signal is used for controlling light or other electrical loads.



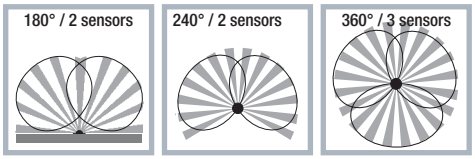
Sensor reach

STEINEL sensors generally provide a max. reach of 12 m that may be shorter walking in a radial direction.



Coverage angles of multi-lenses

As a result of their wide coverage angles of 180° to 360°, STEINEL sensors with multi-lenses are also suitable for keeping large areas under perfect surveillance.

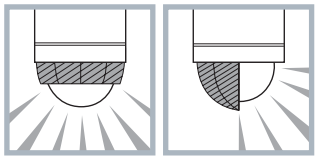


Aperture angles of multi-lenses

Depending on the model, multi-lenses come with an aperture angle of between 90° and 180° with precision coverage of the sneak-by zone.

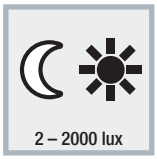
Shrouds

All sensors come with shrouds that can be cut to size for limiting detection zones (e. g. next to neighbouring property / roads).



Twilight setting

Photoelectric lighting controllers measure ambient brightness to prevent lights from being switched 'ON' in broad daylight. A control dial is used to set the brightness threshold at which the light-switching signal is released.



Time setting

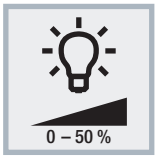
All STEINEL sensors and SensorLights are equipped with a timer that makes sure the light stays switched 'ON' for a selectable period of time even after a temporary movement occurs in the detection zone.

Manual override

If light is required at full power over a prolonged period, many STEINEL sensors and SensorLights can be set to stay 'ON' all the time (4 h) by actuating the power switch twice in brief succession.

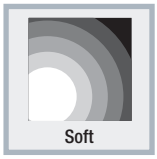
Brightness control

STEINEL Watt-o-matic provides permanent night-time lighting with a basic brightness that can be set to between 0 – 50 %. When movement is detected, the light switches to full power for the time selected.



Soft light start and soft end

The innovative soft light start function from STEINEL gently and elegantly takes light bulbs to full power and turns them 'OFF' in the same way too. This is kind on the eyes and prolongs bulb life.

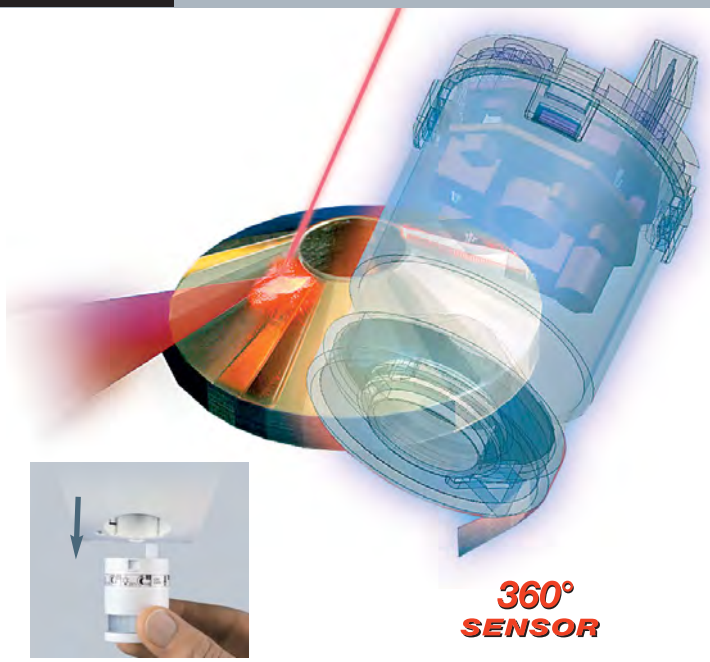


Hi-tech in forward-pointing design

The facade, garden and driveway say everything about a house. Lighting plays a crucial part in shaping this impression. Many customers are particularly fastidious when it comes to choosing suitable lights. The unavoidable sensor lens in PIR systems is often felt to spoil their look.
This why STEINEL was quick to search for ways of integrating the sensor system in the design of a light and keep it out of sight as far as possible without having to compromise on functionality. Development of the STEINEL mini-sensors was a milestone in this direction. The system is so small that is perfectly integrates in the design of the light.

This miniaturisation is made possible by combining an extremely efficient sensor chip with precision mirror optics that take in the infrared radiation through a narrow, hardly visible ring window within a 360° radius and guide it onto the chip.

The module also accommodates the entire light control system that uses a microchip. The programmes provided can be conveniently set at buttons with the module removed.



The new operating concept

To permit rapid, intuitive adjustability of the sensor electronics to individual user needs, the entire sensor module can be taken out of the light, set in your own time, put back in again and made theftproof.

While settings are being made, the light switches itself 'ON' as soon as the sensor is removed. This is practical at twilight or during the night. All of the information you need to know is printed in the sensor module itself, obviating the need for any operating instructions.

The function programmes

1 Standard programme (pre-set) for light bulbs: Light soft start/soft end, no basic brightness at dusk.

2 Comfort programme for light bulbs: Light soft start/soft end, 25 % basic brightness at dusk.

3 Comfort economy programme for light bulbs:
Light soft start/soft end, 25 % basic brightness up to midnight (the middle of the night is determined by the solar cycle measured).

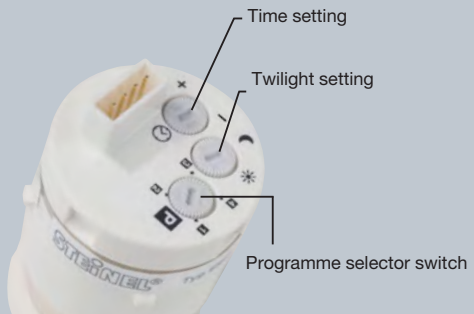
4 Low-energy bulb programme:
Light 'ON' in response to movement, light 'OFF' again after time set.
No soft start, no basic brightness.

Soft light start and soft end

The innovative soft light start function from STEINEL gently and elegantly takes light bulbs to 100 % output and switches them down to 0 % output in the same way too. This not only looks good, it prolongs bulb life.

Basic brightness function

All STEINEL lights with the mini-sensor can be set to operate with a basic brightness of approx. 25 % (Watt-o-matic) until midnight (programme 1) or right through the night (programme 2). When movement is detected, the light switches to full power for the time selected.



STEINEL® German Quality PROFESSIONAL

L 360 plan

Design and efficiency squared

Its well-balanced, sleek design makes the L 360 the ideal front-door light. Made of high-quality material, it is equipped with STEINEL's precision mini-sensor. As many as 5 lights can be synchronised for large-area lighting tasks, with one light in control and the others converted into slave lights by removing their mini-sensor.

The base is made of high-quality, long-life aluminium finished in a dirt-repellent Nano Clean coating. The L361 plan is additionally provided with a grille to protect the shade, making it the perfect choice for use in rugged environments.

Detection zone

High-performance mini-sensor

Setting capabilities

Angle of coverage can be tailored to requirements by attaching the shrouds provided

Easy to operate: the sensor module can be completely removed, adjusted at your leisure and then refitted. While doing so, the light is switched 'ON' automatically.

L 361 plan

This is how they work

- 3 function programmes geared to practical needs:
  1. Light 'ON' permanently all night (automatic night mode)
  2. Light 'ON' permanently until the middle of the night, then sensor mode
  3. Sensor mode
- 26 W TC-DEL lamp

Setting options

- Detection zone can be limited by fitting the shrouds supplied
- Simple, convenient adjustment of light 'ON' time, twilight threshold and programmes on removable sensor module

Aluminium Quality

NANO Clean

As many as 5 lights can be interconnected

Sensor can be removed

Cover for sensor recess

STEINEL® German Quality PROFESSIONAL

L 266 cube

L 266 cube aluminium-anthracite, opal matt

Elegant light block with effect LED

Practical light design in its most exquisite form: The L 266 cube features a separates LED effect light that not only makes a statement on the building wall but also sheds attractive, energy-saving light on the door bell, name plate or house number.
The hand-blown glass shade, the aluminium base with dirt-repellent nano coated finish and the precision sensor complement the high-quality look of this exclusive SensorLight.

In order to achieve a long and evenly illuminated glass shade, these SensorLights are supplied with the innovative G9 adapters (without lamp).

1 W Power LED Effect

Aluminium Quality

NANO Clean

L 266 cube aluminium-anthracite, opal matt

L 266 cube aluminium
silver, opal matt

L 266 cube aluminium-
anthracite, opal matt

Effect light

Light design or functional light, e.g. for lighting up the house number

Detection zone

Setting capabilities

Time and twilight setting. LED light 'ON' or 'OFF'

Reach reduction

Coverage angle reduction

STEINEL® German Quality PROFESSIONAL

L 274 BLOC

Timelessly sleek

High-quality aluminium and hand-blown opal glass set the mood for this elegant quality light. Perfectly integrated, the mini-sensor ensures precision, reliable detection.

L 274 BLOC

This is how it works

- 4 function programmes tried and proven in practice with soft light start and 25 % basic brightness.
- Manual override (4 hrs.) by means of mains switch.

Setting options

- Detection zone can be limited by fitting the shrouds supplied
- Simple, convenient adjustment of light 'ON' time, twilight threshold and programmes on removable sensor module

Aluminium Quality

NANO Clean

Detection zone

High-performance mini-sensor

Setting capabilities

Angle of coverage can be tailored to requirements by attaching the shrouds provided

Easy to operate: the sensor module can be completely removed, adjusted at your

leisure and then refitted. While doing so, the light is switched 'ON' automatically.

STEINEL® PROFESSIONAL German Quality

L 890 pure

Unadulterated design for discerning admirers of beauty

Elegant look, selected materials and precision sensor technology are the marks of this exceptional light. The designer-style trim panel for the flat base comes in either glass or aluminium and is available in a choice of finishes. The high-quality opal glass shade is hand-blown.

This is how it works:

- Integrated soft light start.
- Basic brightness can be adjusted from 0–50 % (Watt-o-matic). When movement is detected, the light switches to full power for the time selected.
- Manual override (4 hrs.) via mains switch.

Setting options:

- Basic reach can be set to a maximum of 12 m or 5 m by turning the multi-lens.
- Detection zone can be limited by fitting the shrouds supplied
- Comfort function buttons for accurately setting light 'ON' duration, twilight threshold as well as for controlling brightness.

NANO Clean

Aluminium Quality

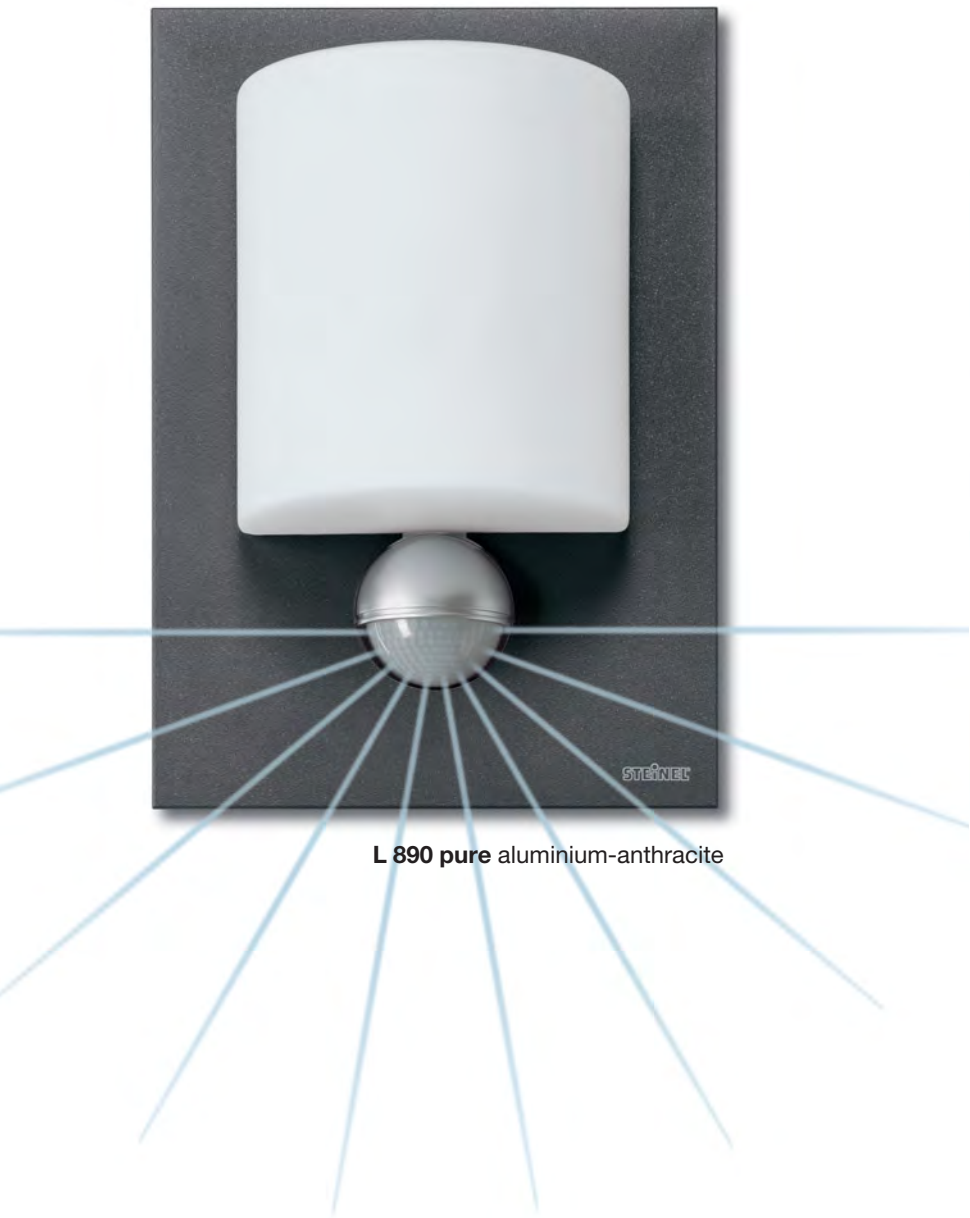
Aluminium-silver

Aluminium-anthracite

Glass, black, sparkling effect

Glass, white

Glass, silver



L 890 pure aluminium-anthracite

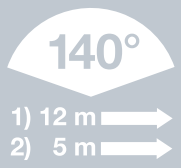
L 890 pure aluminium silver

L 890 pure glass, black, sparkling effect

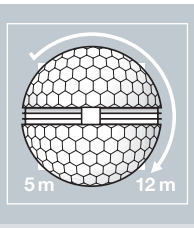
L 890 pure glass, white

L 890 pure glass, silver

Detection zone

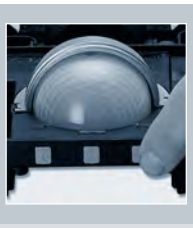


Setting capabilities



Reach can be limited quickly from 12 m to 5 m simply by turning the multi-lens

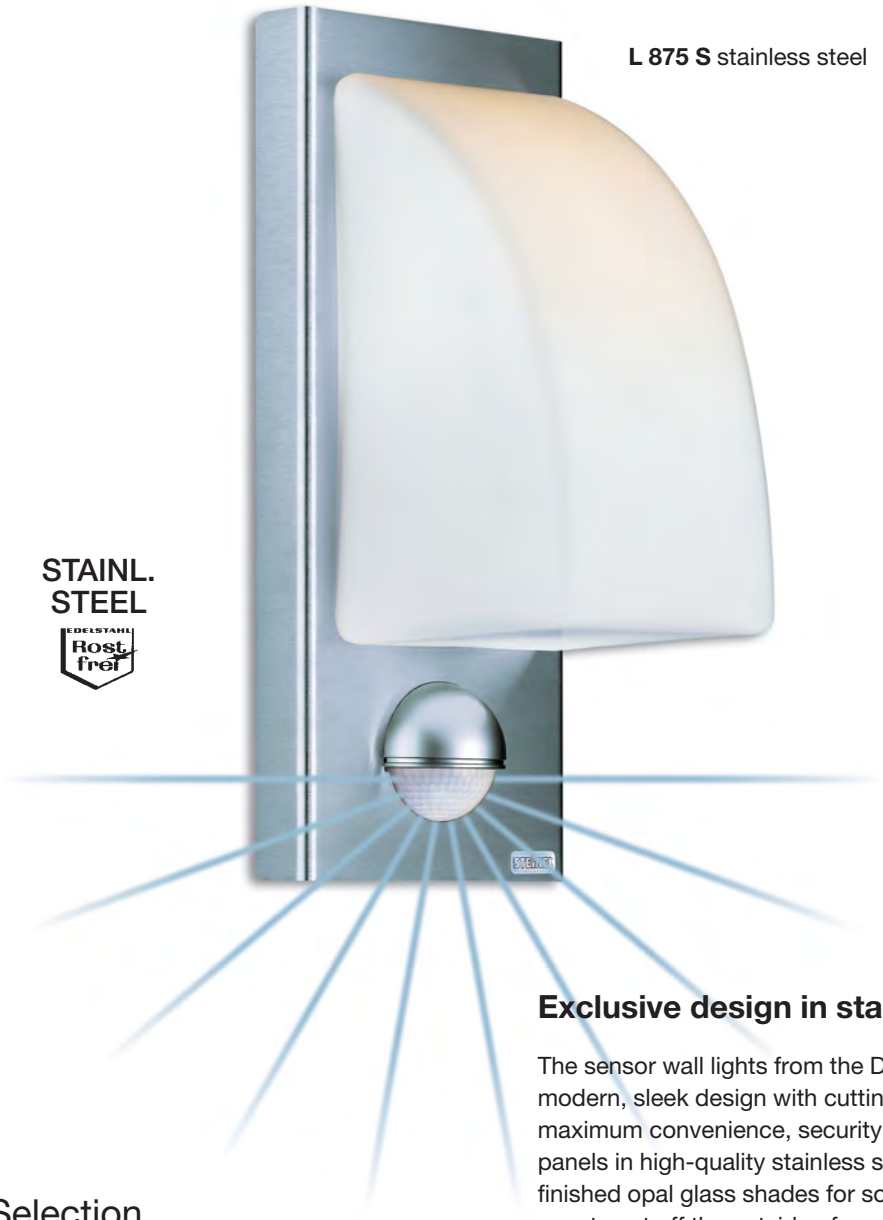
Angle of coverage and reach can be limited to suit individual requirements by fitting the shrouds supplied



Comfort function buttons

Basic brightness can be infinitely varied from 0 to 50 % ("Watt-o-matic")

STEINEL® PROFESSIONAL German Quality



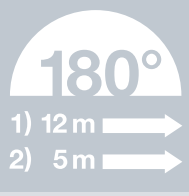
L 875 S stainless steel

Exclusive design in stainless steel

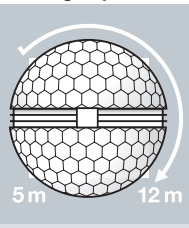
The sensor wall lights from the DesignSelection range combine modern, sleek design with cutting-edge sensor technology for maximum convenience, security and economy. Featuring trim panels in high-quality stainless steel and hand-blown matt-finished opal glass shades for soft light distribution, they are sure to set off the outside of any building.

L 875 S
DesignSelection

Detection zone

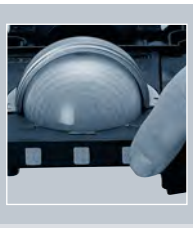


Setting capabilities



Reach can be shortened from 12 to 5 m simply by turning the multi-lens

Angle of coverage and reach can be tailored to requirements by attaching the shrouds provided



Comfort function buttons

Basic brightness can be infinitely varied from 0 to 50 % ("Watt-o-matic")

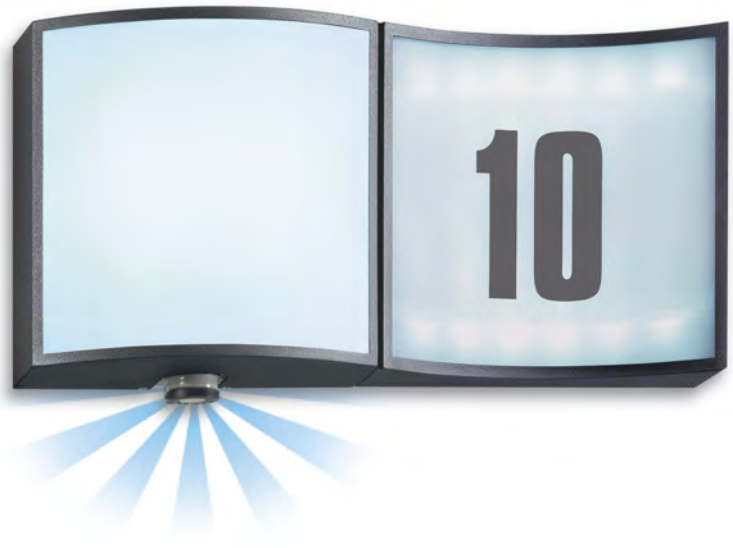
Cutting-edge microprocessor control provides functions that leave you wanting for nothing:

- The integrated soft light start feature produces a pleasant lighting effect and prolongs the life of the bulb by gradually increasing brightness over a period of one second when the light is switched 'ON'. The electronics are equally as gentle on the light when it is switched 'OFF'.
- Brightness control (Watt-o-matic) – basic brightness can be adjusted to between 0 and 50 %. When movement is detected, the light switches to full power for the time selected.
- Manual override (4h) by operating a mains switch connected in the power circuit.

STEINEL® German Quality PROFESSIONAL

L 320 wave

L 320 wave aluminium-anthracite
mounted horizontally



L 320 wave aluminium-silver
mounted vertically

- The sensor can be plugged in any way round. This means the light can be used horizontally or vertically.
- The lamp is illuminated by LEDs which effectively light up the house number from behind.

Detection zone

High-performance mini-sensor

Setting capabilities

Angle of coverage can be tailored to requirements by attaching the shrouds provided

Easy to operate: the sensor module can be completely removed, adjusted at your

leisure and then refitted. While doing so, the light is switched 'ON' automatically

L 321 wave

L 321 wave
aluminium-silver
domed vertically

L 321 wave
aluminium-anthracite
domed horizontally

Aluminium Quality

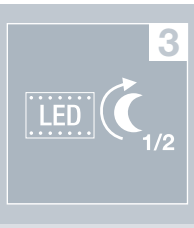
NANO Clean

Creative and exclusive

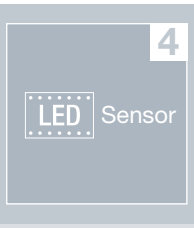
You are looking at the most creative wall light in the STEINEL range. One side produces bright halogen light whenever movement is detected. The other lights up the house number at night with LEDs, giving it a mystically floating appearance. Both sides can be combined vertically. Whether horizontal, vertical, LED module on the left or right, in single or double version: the fascinating, square wave design is ideal for combining just as you please and is sure to impress any visitor.

Programme setting

LED 'ON' all night after ambient light levels fall to twilight threshold



LED 'ON' up to the middle of the night after ambient light levels fall to the twilight threshold



LED 'ON' when movement is detected

Cutting-edge microprocessor control provides functions that leave you wanting for nothing:

- The integrated soft light start feature creates an elegant lighting effect and prolongs the life of the bulb by gently taking it to full output over a period of one second when it is switched 'ON'. The electronics are equally as gentle on the light when it is switched 'OFF'.
- Manual override (4h) by operating a mains switch connected in the power circuit.

STEINEL® PROFESSIONAL
German Quality

L 400 S white

L 400 S
L 410 S
L 430 S

Detection zone

Angle of coverage can be tailored to requirements by attaching the shrouds provided

Functions are easy to set using control dials

Setting capabilities

Basic brightness can be adjusted from 0 to 50 % (Watt-o-matic). When movement is detected, the light switches to full power for the time selected.

The classic symbiosis of form and function

L 400 S black

The 400-Series from STEINEL is distinguished by modern technology, meticulous workmanship and attractive design. Equipped with STEINEL's advanced multi-lens system, these SensorLights cover a large detection zone with 360° all-round vision. As a result, movements are detected "behind the light's back". If necessary, shrouds can be used to reduce reach to as little as 1 m, with the possibility of matching the field of detection to individual requirements.

The integrated output control facility saves energy as it allows you to leave the light 'ON' all the time at reduced brightness during hours of darkness : when the light is idle, the electronics reduce light output to the pre-selected setting instead of switching it 'OFF' completely. Basic brightness can be set to any level between 0 and 50 %.
The shade are made from hand-blown crystal or Triopal glass. Made of sturdy and extremely weatherproof material, the light arm is available in black or white on all models.

L 410 S white

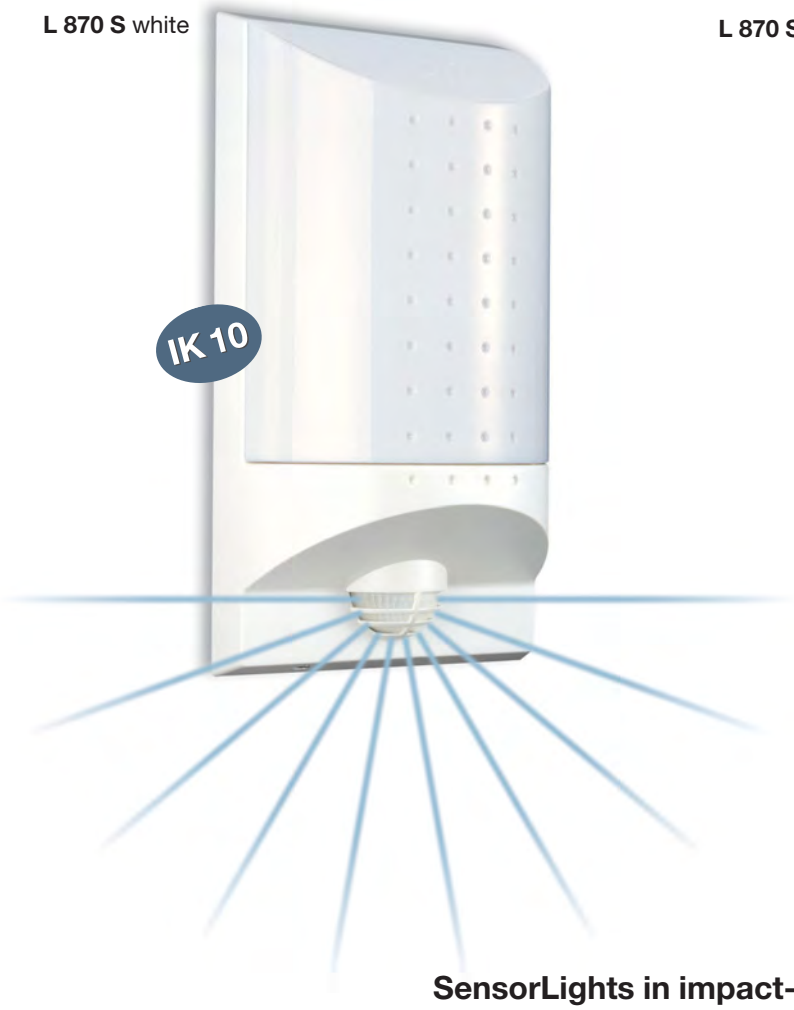
L 410 S black

L 430 S white

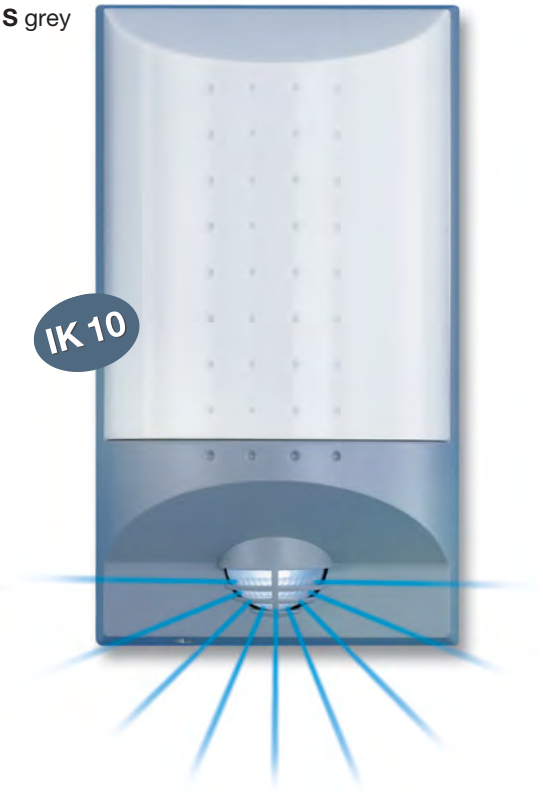
L 430 S black

STEINEL® German Quality PROFESSIONAL

L 870 S white



L 870 S grey



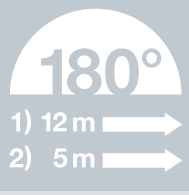
SensorLights in impact-resistant material – when the going gets tough

L 870 S

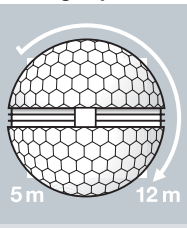
Tough guys

The ideal solution for energy-saving security lighting in areas exposed to the threat of vandalism, e.g. entrances to multi-family dwellings, residential buildings or commercial property.
The caged sensor and a plastic shade in impact-resistant, extremely sturdy polycarbonate material reliably protect cutting-edge STEINEL multi-lens technology from the use of force and prevents injury from shattered glass. Sloping upwards, the trim panel prevents anyone from standing objects on it or covering the sensor.

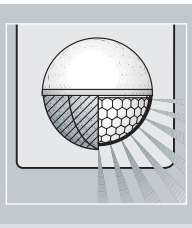
Detection zone



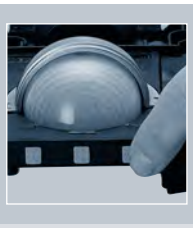
Setting capabilities



Reach can be shortened from 12 to 5 m simply by turning the multi-lens



Angle of coverage and reach can be tailored to requirements by attaching the shrouds provided



Comfort function buttons

Basic brightness can be infinitely varied from 0 to 50 % ("Watt-o-matic")

Cutting-edge microprocessor control provides functions that leave you wanting for nothing:

- The integrated soft light start feature produces a pleasant lighting effect and prolongs the life of the bulb by gradually increasing brightness over a period of one second when the light is switched 'ON'. The electronics are equally as gentle on the light when it is switched 'OFF'.
- Brightness control (Watt-o-matic) – basic brightness brightness can be adjusted to between 0 and 50 %. When movement is detected, the light switches to full power for the time selected.
- Manual override (4h) by operating a mains switch connected in the power circuit.

STEINEL® German Quality PROFESSIONAL

L 360 plan / L 361 plan

- 26 W TC-DEL lamp
- Can be synchronised (up to 5 lights)
- High-performance mini-sensor

L 266 cube

- Designer-style sensor light
- Including power LED effect light
- Including G9 adapter module

L 274 BLOC

- Stunning design
- High-performance mini-sensor

	L 360 plan / L 361 plan	L 266 cube	L 274 BLOC
EAN 4007841...	alum.-silver / alum.-anthr. L 360 plan 670511 / 670610 L 361 plan 670719 / 670818	alum.-silver / alum.-anthr. L 266 cube 646615 / 646714	aluminium 655914
Dimensions (h x w x d)	L 360 plan 310 x 290 x 105 mm L 361 plan 310 x 290 x 125 mm	445 x 113 x 165 mm	270 x 100 x 141 mm
Voltage	230 – 240 V / 50 Hz	230 – 240 V / 50 Hz	230 – 240 V / 50 Hz
Output	26 W TC-DEL lamp	2 x 40 W max. / G9 or 100 W max. / E 27	2 x 40 W max. / G9
additional switching capacity	300 W max.	power-LED effect light, approx. 1 W	
Detection angle	360° with sneak-by guard	240° with 180° angle of aperture	360° with sneak-by guard
Reach	8 m all-round	12 m max. temperature-stabilised	8 m all-round
Sensor system	2 detection levels, 512 switching zones	9 detection levels, 304 switching zones	2 detection levels, 512 switching zones
Time setting	5 sec. – 15 min.	5 sec. – 15 min.	5 sec. – 15 min.
Twilight setting	2 – 2000 lux	2 – 2000 lux	2 – 2000 lux
Brightness control	–	–	0% or 25% (Watt-o-matic)
Manual override	selectable, all night or half the night	selectable (4 h)	4 hours, selectable
Enclosure	IP 44	IP 44	IP 44
Temperature range	10° C to 50° C	– 20 °C to 40 °C	– 20 °C to 40 °C
Protection class	II	I	I
Special features	3 programme settings geared to practical needs on the removable sensor module 1 Light 'ON' permanently all night, then sensor mode 2 Light 'ON' permanently until the middle of the night (automatic night mode) 3 Sensor operation	Including soft light start Including G9 adapter module Twilight-controlled effect light can be deactivated	includes soft light start and 4 pro-grammes geared to practical needs on the removable sensor module 1 **Standard progr., filament bulb:** Soft light start / no basic brightness 2 **Comfort progr., filament bulb:** Soft light start + basic brightness 3 **Comfort economy programme, filament bulb:** Soft light start + basic brightness to the middle of the night 4 **Normal progr., filament bulb:** No soft light start / no basic brightness

L 890 pure

- Glass and metal trims available in different colours
- Function buttons for operating convenience

L 320 wave

- Modular wall lights
- High-performance mini-sensor
- LED light design

L 321 wave

- Supplementary light matching the L 320 wave
- High-performance mini-sensor

	L 890 pure	L 320 wave	L 321 wave
EAN 4007841...	**glass, white 656614** **glass, silver 656713** **alum.-silver 656515** **alum.-anthr. 656416** **glass, black, sparkling effect 656812**	**alum.-silver 655419** **alum.-anthracite 655617**	**alum.-silver 655518** **alum.-anthracite 655716**
Dimensions (h x w x d)	300 x 210 x 120 mm	410 x 205 x 95 mm	205 x 205 x 95 mm
Voltage	230 – 240 V / 50 Hz	230 – 240 V / 50 Hz	230 – 240 V / 50 Hz
Output	100 W max./ E 27 (also takes low-energy bulb)	2 x 40 W max. / G9 LED, back-lit glass panel, approx. 1 W	2 x 40 W max. / G9 LED, back-lit glass panel, approx. 1 W
Detection angle	140° with 90° angle of aperture	360° with sneak-by guard	360° with sneak-by guard
Reach	basic setting 1: 12 m max. basic setting 2: 5 m max.; temperature-stabilised	8 m max. all round	8 m max. all round
Sensor system	10 detection levels (12 m) 9 detection levels (5 m) 480 switching zones (12 m) 412 switching zones (5 m)	2 detection levels, 512 switching zones	2 detection levels, 512 switching zones
Time setting	5 sec. – 15 min.	5 sec. – 15 min.	5 sec. – 15 min.
Twilight setting	2 – 2000 lux	2 – 2000 lux	2 – 2000 lux
Brightness control	0 – 50 % (Watt-o-matic)	25 % (Watt-o-matic)	25 % (Watt-o-matic)
Manual override	selectable (4 h)	selectable, all night or half the night	selectable, all night or half the night
Enclosure	IP 43	IP 44	IP 44
Temperature range	– 20 °C to 40 °C	– 20 °C to 40 °C	– 20 °C to 40 °C
Protection class	II	II	II
Special features	incl. soft light start	including soft light start 3 programme settings geared to practical needs **1** LED 'ON' as from twilight threshold all night **2** LED 'ON' as from twilight threshold until the middle of the night **3** LED 'ON' when movement is detected including self-adhesive numbers for use as house number light	including soft light start 3 programme settings geared to practical needs **1** LED 'ON' as from twilight threshold all night **2** LED 'ON' as from twilight threshold until the middle of the night **3** LED 'ON' when movement is detected including self-adhesive numbers for use as house number light

L 875 S

- Housing in stainless steel
- Exclusive design
- Hand-blown, matt-finish opal glass shade

L 400 S / L 410 S
L 430 S

- Form and function – numerous design options

	L 875 S	L 400 S / L 410 S / L 430 S
EAN 4007841...	**L 875 S** **stainless steel** **647711**	**black** / **white** **L 400 S** 611019 / 611118 **L 410 S** 612412 / 612511 **L 430 S** 612818 / 612917
Dimensions (h x w x d)	330 x 141 x 161 mm	L 400 S/410 S 335 x 215 x 250 mm L 430 S 358 x 212 x 248 mm
Voltage	230-240 V/50 Hz	230-240 V/50 Hz
Output	100 W max./ E 27 (also takes low-energy bulb)	60 W max./ E 27 (also takes low-energy bulb)
Detection angle	180° with 90° angle of aperture	360° with 140° angle of aperture
Reach	basic setting 1: 12 m max. basic setting 2: 5 m max. + precision adjustment using shrouds; temperature-stabilised	1 – 12 m, adjustable on all sides using shrouds
Sensor system	10 detection levels (12 m) 9 detection levels (5 m) 480 switching zones (12 m) 412 switching zones (5 m)	5 detection levels, 276 switching zones
Time setting	5 sec. – 15 min.	10 sec. – 15 min.
Twilight setting	2 – 2000 lux	2 – 2000 lux
Enclosure	IP 44	IP 44
Temperature range	– 20 °C to 40 °C	– 20 °C to 40 °C
Protection class	II	II
Brightness control	0 – 50 % (Watt-o-matic)	0 – 50 % (Watt-o-matic)
Manual override	selectable 4 h	–
Special features	Including soft light start	Corner wall mount (EWH 03) optionally available **Prod. no. 630317 (black)** **Prod. no. 630416 (white)**

L 870 S

- Plastic hood in impact-resistant, extremely sturdy polycarbonate material
- Sensor protected

	L 870 S
EAN 4007841...	**white** 643218 **grey** 642716
Dimensions (h x w x d)	330 x 185 x 115 mm
Voltage	230 – 240 V/50 Hz
Output	100 W max./ E 27 (also takes low-energy bulb)
Detection angle	180° with 90° angle of aperture
Reach	basic setting 1: 12 m max. basic setting 2: 5 m max. + precision adjustment using shrouds; temperature-stabilised
Sensor system	10 detection levels (12 m) 9 detection levels (5 m) 480 switching zones (12 m) 412 switching zones (5 m)
Time setting	5 sec. – 15 min.
Twilight setting	2 – 2000 lux
Enclosure	IP 44
Temperature range	– 20 °C to 40 °C
Protection class	II
Brightness control	0 – 50 % (Watt-o-matic)
Manual override	selectable 4 h
Special features	Includes soft light start IK-class 10 impact-resistant

FUNCTIONAL 36 month WARRANTY

STEINEL German Quality

CE

IK 10 VDE GS

GENUINE hand blown CRYSTAL GLASS

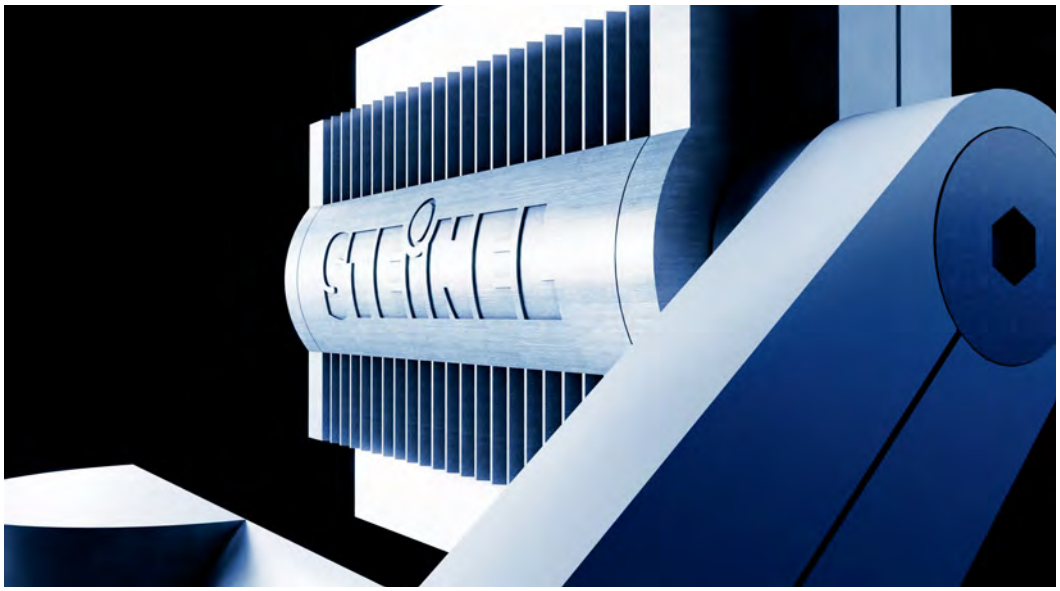
F

STEINEL® PROFESSIONAL German Quality

Sensor-switched LED Floodlights for Outdoors

XLED

Power LED Floodlights



XLed 10
XLed 25
XLed-SL 10
XLed-SL 25

Instant light as bright as day with high energy efficiency in keeping with the times

product design award 2009

PLUS X AWARD achieved for: Innovation Design Ease of use Ecology

Designpreis Deutschland 2010 NOMINIERT

Sensor-switched halogen light gives you safety and security, but doesn't completely meet today's demands on energy efficiency. Low-energy bulbs don't provide an alternative because their light doesn't shine brightly straight away. XLed floodlights from STEINEL feature a new floodlighting concept that provides an ideal combination of sensor and LED light technology; instant, fully bright light from electronically controlled LEDs using only about 30% of the energy consumed by conventional halogen floodlights. This turns a practical product into a real stunner.

STEINEL® PROFESSIONAL German Quality

XLed 10

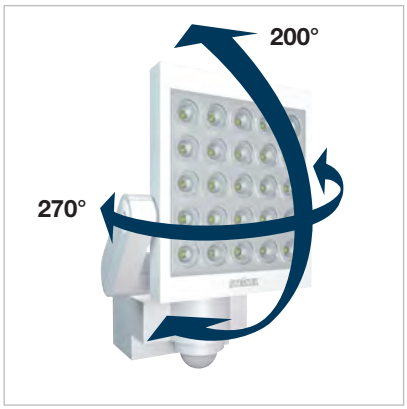
XLed 10 black

XLed 10 white

LED

Unique flexibility for virtually unlimited uses

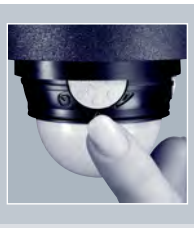
Creating this outstanding lighting solution demanded a completely new approach. From the aspect of control, cooling and design. With head-turning looks, it uses innovative high-end 3-W LEDs and a specially developed cooling system. But the really clever part is found in the microprocessor control electronics. The result is nothing short of amazing: radiantly bright light all around the building at minimum energy consumption. Plus a fascinating lighting effect with unique directional flexibility.



Flat design, aluminium: Light head adjusts in all directions

Detection zone

Setting capabilities



Time, twilight and basic-brightness setting

Reducing detection range

Reducing coverage angle

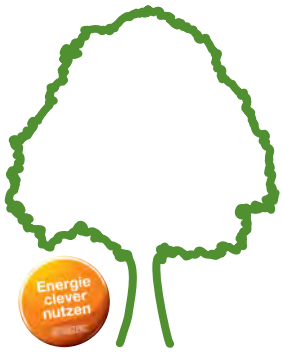
XLed 25

XLed 25 black

XLed 25 white

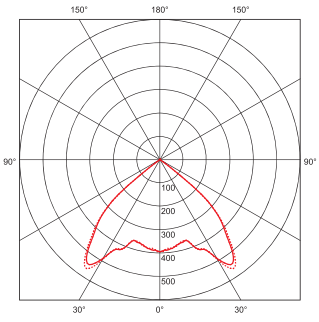
Technical highlights

- XLED with either 10 or 25 LEDs in the flat-design light head, aluminium.
- Approx. 25 or 60 W power consumption.
- Integrated motion sensor with 240° coverage angle and 12 m reach.
- 270° swivel and 200° tilting range.
- Integrated electronic ballasts.
- ATC - Active Thermo Control.
- External switching output capability for creating interconnected systems.
- 10 % basic brightness, selectable (stay 'ON' for 10 minutes after activation or all night.)
- Can be mounted under porches as no need to allow for 1-metre safety distance.
- Life of LEDs: 50,000 hours.
- Simple 2-piece installation.



- 70% energy saving.
- Long LED life.

Light distribution curves for XLed Evolution II – illuminates large areas



C0 / C180
C90 / C270

XLed 10/XLed 25

XLed-SL 25

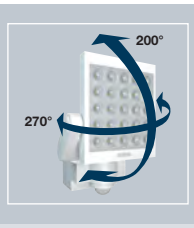
Powerful LED floodlights

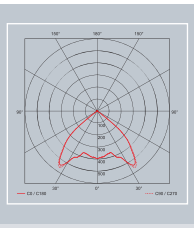
The XLed LED floodlight sensation is now available as a slave version without sensor. It can be used for bringing LED technology to sensor-switched multiple light systems. The integrated slave electronics permit activation by sensor-switched XLed's. Needless to say, the LED floodlight is the perfect answer to high-efficiency lighting tasks when used individually too. The flat designer-style light head with 10 or 25 power LEDs is made from high-quality aluminium and can be tilted and turned through an extremely wide adjustment range for optimum illumination. The long-life LEDs provide brilliant light at minimal power consumption. Because they give off very little heat, XLed floodlights can also mounted under porches etc. without a problem.

SENSOR

XLed-SL 10

- 70% energy saving
- Long LED life.





Light distribution curve for XLed 10 and XLed 25

XLed 10

- LED light head in flat design
- Adjustable LED head
- Integrated electronic ballasts
- Active Thermo-Control
- Basic brightness all night or 10 min.

XLed 25

XLed-SL 10

- LED light head in flat design
- Tilting/turning reflector
- Integrated electronic ballasts
- Active Thermo-Control

XLed-SL 25

	XLed 10	XLed 25	XLed-SL 10	XLed-SL 25
EAN 4007841...	**black** 654511 **white** 654610	**black** 654719 **white** 654818	**black** 658113 **white** 658212	**black** 658519 **white** 658618
Dimensions (h x w x d)	205 x 200 x 220 mm	300 x 200 x 220 mm	205 x 200 x 220 mm	300 x 200 x 220 mm
Voltage	230 – 240 V, 50 Hz	230 – 240 V, 50 Hz	230 – 240 V, 50 Hz	230 – 240 V, 50 Hz
Output	10 LEDs, approx. 25 W	25 LEDs, approx. 60 W	10 LEDs, approx. 25 W	25 LEDs, approx. 60 W
Additional switching capacity	– 800 W max. (resistive load, e.g. filament bulb) – 400 W max. (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps) – 400 W max. (electronic ballasts, capacitive, e.g. low-energy bulbs, 4 each max., ≤ 88 µF)	– 800 W max. (resistive load, e.g. filament bulb) – 400 W max. (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps) – 400 W max. (electronic ballasts, capacitive, e.g. low-energy bulbs, 4 each max., ≤ 88 µF)		
Life of LEDs	up to 50,000 hrs. (at 3 hrs./day, approx. 45 years)	up to 50,000 hrs. (at 3 hrs./day, approx. 45 years)	up to 50,000 hrs. (at 3 hrs./day, approx. 45 years)	up to 50,000 hrs. (at 3 hrs./day, approx. 45 years)
Detection angle	240° with sneak-by guard	240° with sneak-by guard		
Reach	12 m all round, temperature-stabilised	12 m all round, temperature-stabilised		
Sensor system	9 detection levels, 304 switching zones	9 detection levels, 304 switching zones		
Time setting	5 sec. – 15 min.	5 sec. – 15 min.		
Twilight setting	2 – 2000 lux	2 – 2000 lux		
Enclosure	IP 44	IP 44	IP 44	IP 44
Brightness control	10 % basic brightn. (approx. 3 W)	10 % basic brightn. (approx. 3 W)		
Manual override	4 hours, selectable	4 hours, selectable		
Temperature range	– 20 °C to 40 °C	– 20 °C to 40 °C	– 20 °C to 40 °C	– 20 °C to 40 °C
Special features	Housing tilts through: 200° Housing turns through: 270°	Housing tilts through: 200° Housing turns through: 270°	Head tilts through: 200° Head swivels through: 270°	Head tilts through: 200° Head swivels through: 270°
Accessories	Ground spike silver 365 x 136 x 80 mm **Prod. No.: 654917**	Ground spike silver 365 x 136 x 80 mm **Prod. No.: 654917**	Ground spike silver 365 x 136 x 80 mm **Prod. No.: 654917**	Ground spike silver 365 x 136 x 80 mm **Prod. No.: 654917**

FUNCTIONAL 36 month WARRANTY

STEINEL German Quality

HS 152 XENO silver

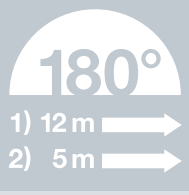
XENO Light

Daylight returns

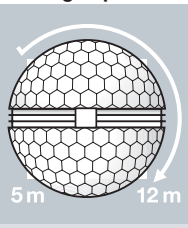
In sensitive operational areas, "normal" lights are often not bright enough. It's for situations like this that STEINEL has developed the HS 502 and HS 152 XENO sensor-switched halogen floodlights. Aesthetically curved fronts give these compact floodlights their timelessly elegant look. Floodlight housing, bezel and wall mount are manufactured from long-lasting die-cast aluminium. Equipped with advanced STEINEL DUO sensor and multi-lens, they have a reach of up to 12 m with a coverage angle of 180° and aperture angle of 90°. Range can be limited to about 5 m with effortless ease by turning the two-zone multilens.

HS 152 XENO
HS 502

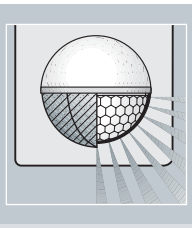
Detection zone



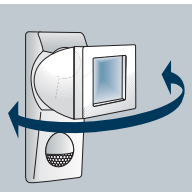
Setting capabilities



Reach can be shortened from 12 to 5 m simply by turning the multi-lens



Angle of coverage and reach can be tailored to requirements by attaching the shrouds provided



To aim the beam of light accurately, the floodlight housing can be swivelled through 30°...

... and tilted through 40°

XENO Light

HS 152 XENO white

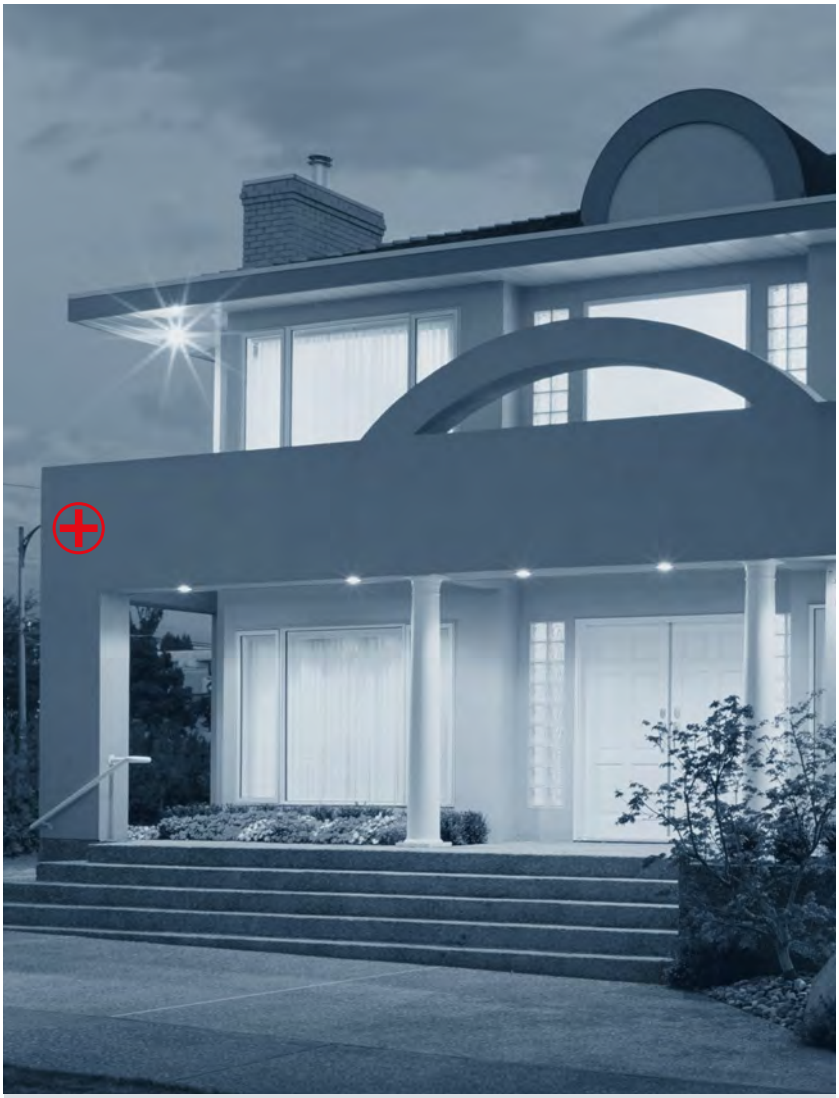
XENO Light

HS 152 XENO black

HS 502 white

HS 502 black

Twilight threshold and light 'ON' duration can be adjusted across a wide range to accommodate individual user needs. The blue tinted glass lens on the HS 152 Xeno sensor-switched halogen floodlight is something quite new. It filters the halogen light to produce a colour temperature similar to that of daylight. The HS 152 XENO is rated for an output of 150 watts maximum. The HS 502 XENO is suitable for halogen lamps up to 500 watts. These floodlights are supplied with linear halogen lamps. Both lights come with additional switching capacity for operating additional loads.



STEINEL® German Quality PROFESSIONAL

HS 2160 *Economy*

HS 2160 black

HS 2160 white

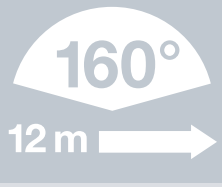
New addition to the Economy family

The 150 W Economy floodlights feature tried and proven sensor technology from the IS 2160. This provides the capability of reliably watching over areas of up to 170 m². Their design has also been taken from the IS 2160 sensor. Together, they form a powerful family in the Economy price floodlight segment.

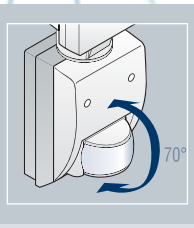
Setting options:

- Easy adjustment of light 'ON' duration and twilight threshold by control dial.
- Sensor and floodlight head can be adjusted to suit individual needs.

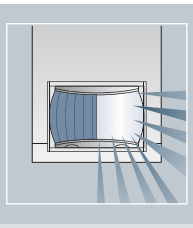
Detection zone



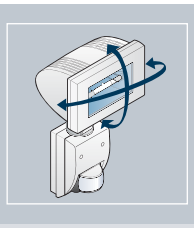
Setting capabilities



The sensor tilts and turns for perfect detection zone alignment



Angle of coverage can be tailored to requirements by attaching the shrouds provided



Floodlight housing can be turned vertically through 80° and horizontally through 44°

HS-S 150 W Slave

HS-S 150 W Slave
black

Without sensor.
Easy to interconnect.

A 150 W halogen floodlight in STEINEL quality capable of being connected to sensor-switched halogen floodlights with external switching output. Housing in die-cast aluminium

Setting options:

- Floodlight housing, tilts and swivels

SENSOR

HS-S 150 W Slave
white

Setting capabilities

Floodlight housing can be turned vertically through 40° and horizontally through 30°

STEINEL® German Quality PROFESSIONAL

HS 502

- Sensor-switched halogen floodlights
- Tilting/turning reflector
- 400 W ECO linear lamp included

HS 152 XENO

- Sensor-switched halogen floodlight delivering light similar to daylight
- Tilting/turning reflector
- 125 W ECO linear lamp included

	HS 502	HS 152 XENO
EAN 4007841...	**black** 632717 **white** 632816 **silver** 648510	**black** 632014 **white** 632113 **silver** 648411
Dimensions (h x w x d)	235 x 220 x 155 mm	235 x 160 x 140 mm
Voltage	230 – 240 V / 50 Hz	230 – 240 V / 50 Hz
Output	500 W max. / R7s 400 W ECO linear lamp (included)	150 W max. / R7s 125 W ECO linear lamp (included)
Additional switching capacity	**additional switching capacity:** – 500 W max. (resistive load, e.g. filament bulb) – 300 W max. (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps) – 200 W max. (electronic ballasts, capacitive, e.g. low-energy bulbs, 2 each max., ≤ 44 µF)	**additional switching capacity:** – 800 W max. (resistive load, e.g. filament bulb) – 400 W max. (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps) – 400 W max. (electronic ballasts, capacitive, e.g. low-energy bulbs, 4 each max., ≤ 88 µF)
Detection angle	180° with 90° angle of aperture	180° with 90° angle of aperture
Reach	basic setting 1: 12 m max. basic setting 2: 5 m max. + precision adjustment using shrouds temperature-stabilised	basic setting 1: 12 m max. basic setting 2: 5 m max. + precision adjustment using shrouds temperature-stabilised
Sensor system	10 detection levels (12 m) 9 detection levels (5 m) 504 switching zones (12 m) 412 switching zones (5 m)	10 detection levels (12 m) 9 detection levels (5 m) 504 switching zones (12 m) 412 switching zones (5 m)
Time setting	10 sec. – 15 min.	10 sec. – 15 min.
Twilight setting	2 – 2000 lux	2 – 2000 lux
Enclosure	IP 44	IP 44
Temperature range	– 20 °C to 40 °C	– 20 °C to 40 °C
Protection class	I	I
Brightness control	–	–
Manual override	–	–
Special features	Housing tilts through: 40° Housing turns through: 30°	Housing tilts through: 40° Housing turns through: 30°

HS 2160 *Economy*

- Sensor-switched halogen floodlight
- Tilting/turning reflector
- 125 W ECO linear lamp included

HS-S 150 W Slave

- Halogen floodlight capable of being connected to sensor-switched halogen floodlights with external switching output.
- Housing in die-cast aluminium
- 125 W ECO linear lamp included

	HS 2160	HS-S 150 W Slave
EAN 4007841...	**black** 630713 **white** 630812	**black** 631314 **white** 631215
Dimensions (h x w x d)	250 x 155 x 102 mm	215 x 155 x 170 mm
Voltage	230 – 240 V / 50 Hz	230 – 240 V / 50 Hz
Output	150 W max. / R7s 125 W ECO linear lamp (included)	150 W max. / R7s 125 W ECO linear lamp (included)
Additional switching capacity	**additional switching capacity:** – 500 W max. (resistive load, e.g. filament bulb) – 300 W max. (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps) – 200 W max. (electronic ballasts, capacitive, e.g. low-energy bulbs, 2 each max., ≤ 44 µF)	
Detection angle	160° with 40° angle of aperture	
Reach	12 m max.	
Sensor system	5 detection levels, 260 switching zones	
Time setting	8 sec. – 30 min.	
Twilight setting	2 – 2000 lux	
Enclosure	IP 44	IP 44
Temperature range	– 20 °C to 40 °C	– 20 °C to 40 °C
Protection class	I	I
Brightness control	–	–
Manual override	–	–
Special features	Housing tilts through: 80° Housing turns through: 44°	Housing tilts and turns, corner wall mount (EWH 02) optionally available. **Prod. No. 630560 (black), Prod. No. 630669 (white)**

FUNCTIONAL 36 month WARRANTY

STEINEL German Quality

IP protection rating

The IP code classifies the level of protection provided by enclosures and covers used for protecting electrical equipment. The IP code is defined under IEC 529, EN 60529, DIN VDE 0470-1 and NF C 20-010.
The protection ratings are defined by the letters IP (International Protection) followed by two digits. This means that the full protection rating consists of the two letters and the digits indicating the level of protection.

1st digit
Protection of equipment against the ingress of solid, foreign objects and also protection of persons against contact with hazardous parts.

2nd digit
Protection of equipment against the harmful ingress of water.

Where there is no protection rating - with regard to one of the criteria - the digit is replaced with the letter X, e.g. IP X4 or IP 6X.

1st digit	Protection against ingress of foreign objects	Protection against contact/application
0	Equipment provides no protection against ingress of solid, foreign objects.	No particular personal protection against accidental contact with live and/or moving parts. In enclosures with no access.
1	Protection against ingress of solid, foreign objects in a diameter > 50 mm.	Protection against accidental contact by large surfaces of the body (back of the hand) with live and/or moving parts. Closed areas only accessible to authorised and trained personnel.
2	Protection against ingress of solid, foreign objects in a diameter > 12.5 mm.	Protection against finger contact with live and/or internal moving parts. Specific accessible areas.
3	Protection against ingress of solid, foreign objects in a diameter > 2.5 mm.	Protection against contact between live and/or internal moving parts and tools, wires or similar objects in a thickness of > 2.5 mm. Generally accessible parts.
4	Protection against ingress of solid, foreign objects in a diameter > 1 mm.	Protection against contact between live and/or internal moving parts and tools, wires or similar objects in a thickness of > 1 mm. Generally accessible parts.
5	Protection against harmful, internal dust deposits. Ingress of dust is not entirely prevented. The quantity of dust entering must not interfere with operation (dust-protected).	Complete protection against contact with live and/or internal moving parts. Areas exposed to short-term high dust deposits.
6	Protection against ingress of dust (dust-tight).	Complete protection against contact with live and/or internal moving parts. Generally accessible areas.

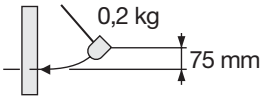
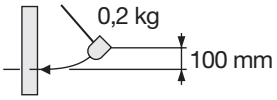
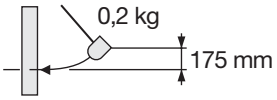
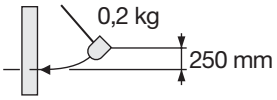
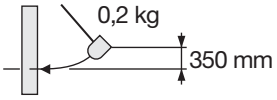
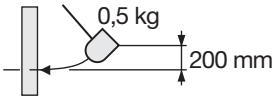
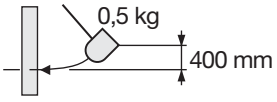
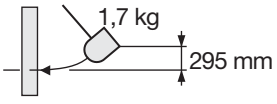
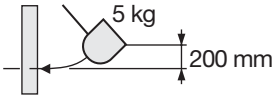
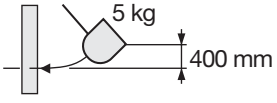
2nd digit	Protection against ingress of water	Application
0	No particular protection.	In dry areas.
1	Protection against vertically falling drops of water (protection against dripping water). Shall have no harmful effect.	In areas exposed to moisture with component in pre-defined vertical position (e.g. condensation water).
2	Protection against vertically falling drops of water (protection against dripping water). Dripping water falling at an angle shall have no harmful effect on equipment (enclosure) tilted at an angle of up to 15° from its normal position.	In areas exposed to moisture with component not positioned exactly vertically (e.g. condensation water).
3	Protection against water falling at any angle up to 60° from the vertical. Shall have no harmful effect (protection against spraying water).	Areas exposed to rain and not splashing water.
4	Protection against water splashing against equipment (enclosure) from any direction. Shall have no harmful effect (protection against spraying water).	Areas exposed to rain and splashing water (e.g. areas exposed to passing vehicles).
5	Protection against water projected by a nozzle against equipment (enclosure) from any direction. Shall have no harmful effect (protection against water jets).	Areas exposed to moderately powerful water jets.
6	Protection against heavy sea or powerful jets of water. Water in harmful quantities must not enter the equipment (enclosure) (protection against floodwater).	Areas exposed to heavy wash and floodwater (e.g. jetties).
7	Protection against water when equipment (housing) is immersed in water under defined conditions of pressure and time. Water must not enter in harmful quantities (immersion).	Areas washed over temporarily or covered with snow for a prolonged period.
8	Equipment (housing) is suitable for continuous immersion in water under conditions which shall be specified by the manufacturer (submersion). However, the conditions must not be any more severe than those for digit 7.	In submerged function.

IK protection code as defined in EN 501 02

The degree of protection provided by enclosures for electrical equipment against external mechanical impacts is defined by the IK code under standard EN 50102 - VDE 0470 Part 100 and EN 62262.

IK 0X

IK = Code letters (international mechanical protection)
0X = IK class of impact protection (from 00 to 10)

IK	Test	Energy in Joules
IK 00		0
IK 01		0.15
IK 02		0.2
IK 03		0.35
IK 04		0.5
IK 05		0.7
IK 06		1
IK 07		2
IK 08		5
IK 09		10
IK 10		20

Protection classes

Safety class I
In the case of lights provided with class I protection, the protection aim is achieved by insulating live parts and connecting contactable metal parts to the protective-earth conductor. The protective-earth conductor connection terminal is marked ⏚.

Safety class II
In the case of lights provided with class II protection, electrical safety is ensured by means of double insulation.

Safety class III
In the case of light provided with class III protection, protection is based on safety extra-low voltage (SELV).

Marks of conformity:

VDE label
For electrotechnical products, including products within the meaning of the German Act on Equipment and Product Safety (GPSG) and medical products within the meaning of the German Medical Products Act (MPG). The VDE label indicates conformity to VDE provisions or European or internationally harmonised standards and provides confirmation that the protection requirements of the pertinent guidelines are met. The VDE label shows that the product is safe in terms of electrical, mechanical, thermal, toxic, radiological and other risk.

VDE-GS label
For technical work equipment and ready-to-use items of daily use within the meaning of the GPSG (optionally instead of VDE label for these products)
If products are technical work equipment or ready-to-use items of daily use within the meaning of the German Act on Equipment and Product Safety, you can also use the VDE-GS label.

VDE-EMC label
For equipment conforming to the standards on electromagnetic compatibility.
The VDE-EMC label expresses a product's conformity with the applicable standards on the electromagnetic compatibility of products. However, this mark also signalises the reliable operation of your product in an electromagnetic environment. As the requirements on issuing the label automatically and unreservedly cover satisfaction of the relevant standards.

ENEC label from VDE
For products meeting harmonised certification procedures.
The European standards specified in the ENEC Agreement provide the basis for testing. Products (these currently being lights, light components, low-energy bulbs, IT equipment, transformers, appliance switches, electrical regulators and control devices, terminals, appliance couplers, some types of capacitor and radio interference suppression components) tested on this basis are allowed to carry VDE's ENEC label. Approval from another body involved in the European certification procedure is not necessary.

VDE cable marking
VDE cable marking applies to cables, leads and wiring conduits and trunkings.

CE label
The manufacturer documents and declares in its sole responsibility that the product marked satisfies the basic requirements of EU directives. This label is not a mark of tested safety and quality but is directed towards the authority supervising the market.

F label
Information showing that lights may be mounted on normally flammable surfaces.

The STEINEL philosophy

Technology for life

We develop products for the benefit of people. This mission statement also covers our ecological responsibility. For instance, intelligent STEINEL sensor technology ensures maximum energy efficiency in lighting applications, significantly easing the strain on the environment. And we also pay strict attention to ecological compatibility in developing and manufacturing our products. To this end, we have established a uniform standard at all STEINEL sites across the globe incorporating all relevant national and international guidelines. Among other aspects, this also implements the comprehensive RoHS guideline on the restriction of the use of certain hazardous substances in electrical and electronic equipment. As part of its product responsibility, STEINEL is also involved in implementing the German Electrical and Electronic Equipment Act (ElektroG). We also ensure that scrap equipment is disposed of in an environmentally responsible manner. STEINEL has commissioned the services of a specialised company for this purpose.

Design and function

STEINEL products are well designed. We employ a good deal of creativity and cutting-edge computer technology to ensure the perfect marriage of functionality and design. And our success confirms that this is the right approach: STEINEL products have attracted many awards for their outstanding design and high practical value.

Tested safety

For us, developing technology for life also means placing the most exacting demands on the safety of our products. This applies to their manufacture as well as their later use. This way, STEINEL products are always developed and produced in line with the very latest scientific findings. And we can give you this in black and white: STEINEL products come with all of the relevant test symbols. You're always on the safe side with STEINEL.

Tested and certified quality

To us, German Quality is both a challenge and a commitment. And this not only applies to the products themselves, but also to service. It is not without good reason that STEINEL has been awarded certification under the current standard on quality management.

Testing lines and long-term tests

You can rely on STEINEL brand-name quality.
Before a product goes into mass production, it is required to undergo comprehensive and rigorous testing to verify its dependability and suitability for day-to-day use.

STEINEL® PROFESSIONAL
German Quality

STEINEL Vertrieb GmbH
Dieselstrasse 80–84
D-33442 Herzebrock-Clarholz
Germany

Telephone +49 (0)5245 448 - 0
Fax +49 (0)5245 448 - 197

www.steinel.de

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